# 04 - STRUCTURAL SUBSET INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
S-1	SHEET INDEX	S-27	TEMPORARY ADDITIONAL CROWN DETAILS		
S-2	GENERAL NOTES				
S-3	SIGN SUPPORT NO. 21243 DETAILS				
S-4	SIGN SUPPORT NO. 21254 DETAILS				
S-5	SIGN SUPPORT NO. 21255 DETAILS				
S-6	SIGN SUPPORT NO. 21257 DETAILS				
S-7	SIGN SUPPORT NO. 21258 DETAILS				
S-8	SIGN SUPPORT NO. 21265 DETAILS				
S-9	SIGN SUPPORT NO. 21266B DETAILS				
S-10	SIGN SUPPORT NO. 21270 DETAILS				
S-11	SIGN SUPPORT NO. 21271 DETAILS				
S-12	VERTICAL ATTACHMENT MEMBER DETAILS - 1				
S-13	VERTICAL ATTACHMENT MEMBER DETAILS - 2				
S-15	EXTRUDED ALUMINUM SIGN PANEL MANUFACTURING DETAILS				
S-14	EXTRUDED ALUMINUM SIGN PANEL CONNECTION DETAILS				
S-16	4 CHORD TRUSS CANTILEVER GENERAL PLAN				
S-17	4 CHORD TRUSS CANTILEVER DETAILS - 1				
S-18	4 CHORD TRUSS CANTILEVER DETAILS - 2				
S-19	4 CHORD TRUSS CANTILEVER DETAILS - 3				
S-20	DRILLED SHAFT DETAILS				
S-21	BREAKAWAY SIGN SUPPORTS GENERAL NOTES				
S-22	BREAKAWAY SIGN SUPPORTS POST SELECTION TABLE 1				
S-23	BREAKAWAY SIGN SUPPORTS POST SELECTION TABLE 2				
S-24	BREAKAWAY SIGN SUPPORTS FOUNDATION DETAILS				
S-25	BREAKAWAY SIGN SUPPORTS BRACKET DETAILS				
S-26	BREAKAWAY SIGN SUPPORTS HINGE DETAILS				

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

TRANSPORTATION PRINCIPAL ENGINEER

		DESIGNER/DRAFTER:	CONNECTICAL	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED THE INFORMATION, INCLUDING ESTIMATED OF THE INFORMATION, INCLUDING ESTIMATED OF THE INFORMATION, INCLUDING ESTIMATED OF T	MDG CHECKED BY:	STATE OF CONNECTICUT	OFFICE OF ENGINEERING	REPLACEMENT OF	VARIOUS	172-388 DRAWING NO.
	INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	RDD	DEPARTMENT OF TRANSPORTATION	APPROVED BY:	HIGHWAY SIGNING	DRAWING TITLE:	DRAWING NO.  S-1
REV. DATE REVISION DESCRIPTION	SHEET NO Plotted Date: 7/8/2013	SCALE AS NOTED	Filename:\01720388 SB Sheet Index.don	First	ON I-395	SHEET INDEX	04.01

ESTIMATED STRUCTURE QUANTITIES								
ITEM	UNIT	QUANTITY						
STRUCTURAL STEEL	LBS.	5,400						
4-CHORD TRUSS CANTILEVER SIGN STRUCTURE	EA.	1						
DRILLED SHAFT TRAFFIC STRUCTURE FOUNDATION	EA.	1						

EXIST	OF STEEL SIGN S	SUPPORTS	
SIGN SUPPORT NUMBER	PAINTED STEEL ONLY	GALVANIZED STEEL ONLY	PAINTED GALVANIZED STEEL
21243		X	
21254			X
21255			X
21257			X
21258			X
21265			X
21266B		X	
21270			X
21271			X

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	THE INFORMATION, INCLUDING ESTIMATED	
	SHEETS IS BASED ON LIMITED	CHE
	INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	
	THE CONDITIONS OF ACTUAL QUANTITIES	
	OF WORK WHICH WILL BE REQUIRED.	

SHEET NO. Plotted Date: 7/8/2013

REVISION DESCRIPTION

REV. DATE

DESIGNER/DRAFTER:

MDG

CHECKED BY:

RDD

SCALE AS NOTED



Filename: ...\01720388\_SB\_General\_Notes.dgn



PROJECT TITI

REPLACEMENT OF HIGHWAY SIGNING ON I-395

VARIOUS

DRAWING TITLE:

RIOUS

**GENERAL NOTES** 

172-388
DRAWING NO.
S-2

04.02

### GENERAL NOTES

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 DATED 2004, SUPPLEMENTAL SPECIFICATIONS DATED JANUARY 2013 AND SPECIAL PROVISIONS

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS - 2013, WITH THE LAST INTERIM SPECIFICATIONS, AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL-2003.

EXISTING DIMENSIONS: ALL DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE THE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENT ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

#### SIGN SUPPORT NOTES

THE STEEL USED FOR ROLLED SHAPES, PLATES, AND BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M270 (ASTM A709), GRADE 50.

ALL STEEL MEMBERS AND COMPONENTS SHALL BE HOT-DIP GALVANIZED, AFTER FABRICATION, IN ACCORDANCE WITH ASTM A123. ANY GALVANIZING DAMAGED DURING HANDLING OR INSTALLATION SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIAL PROVISIONS

ALL WELDING DETAILS, PROCEDURES AND TESTING METHODS SHALL CONFORM TO THE SPECIFICATIONS. ALL WELDING SHALL BE CONTINUOUS UNLESS NOTED OTHERWISE.

ALL HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325, TYPE 1. NUTS SHALL CONFORM TO ASTM A563, GRADE DH. CIRCULAR, FLAT HARDENED STEEL WASHERS SHALL CONFORM TO ASTM F436. THE BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 OR ASTM B695, GRADE 50.

DIRECT TENSION INDICATORS SHALL CONFORM TO SPECIFICATIONS AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM B695, CLASS 50.

U-BOLTS AND THREADED RODS SHALL CONFORM TO ASTM A449. THE NUTS SHALL CONFORM TO ASTM A563, GRADE DH. THE WASHERS SHALL CONFORM TO ASTM F436. THE BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 OR ASTM B695, GRADE 50.

ALL BOLT HOLES SHALL BE STANDARD HOLES ( $^1\!\!/_{16}$ " LARGER THAN THE BOLT DIAMETER), UNLESS OTHERWISE NOTED.

ALL HIGH STRENGTH BOLTS SHALL HAVE HARDENED WASHERS PLACED UNDER ALL ELEMENTS (NUT OR BOLT HEAD) TURNED DURING TENSIONING.

ALL BOLTS SHALL BE LUBRICATED PRIOR TO INSTALLATION TO ENSURE FREE ROTATION OF THE NUT ON THE BOLT THREAD.

THE CONTRACTOR SHALL TAKE THE PROPER PRECAUTIONS TO ENSURE THE STABILITY OF ALL STRUCTURAL ELEMENTS UNTIL THE TOTAL STRUCTURE IS ERECTED.

ALL REMOVAL AND INSTALLATION OF VERTICAL ATTACHMENT MEMBERS SHALL BE PAID UNDER "STRUCTURAL STEEL". ALL VERTICAL ATTACHMENT BRACKETS SHALL BE PAID UNDER "TUBULAR SIGN SUPPORT BRACKET".

BOLTING REQUIREMENTS FOR EXISTING SIGN SUPPORTS AS FOLLOWS:

NEW STEEL TO NEW STEEL:

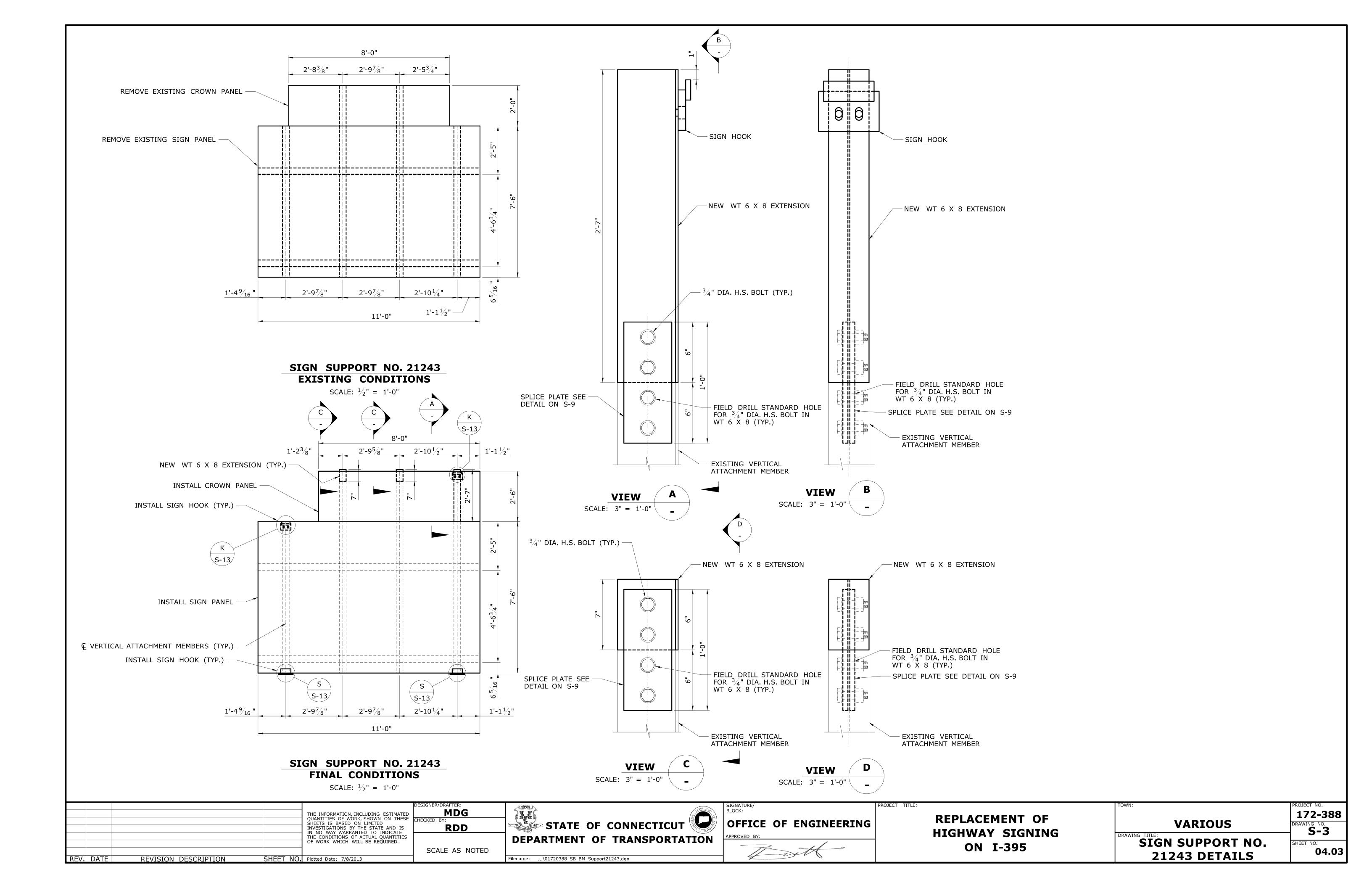
BOTH GALVANIZED FAYING SURFACES SHALL BE LIGHTLY SCORED BY WIRE BRUSHING AFTER GALVANIZING AND PRIOR TO ASSEMBLY. AFTER TENSIONING THE BOLTS, THE FAYING SURFACES SHALL BE IN FIRM CONTACT.

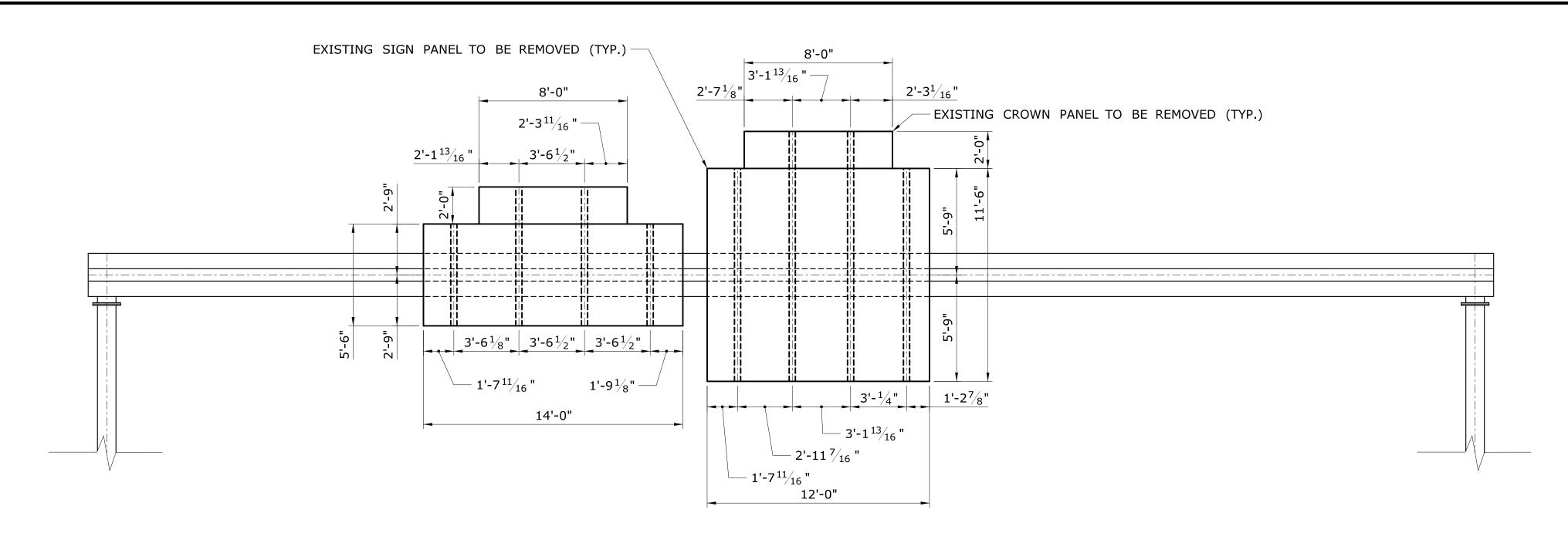
NEW STEEL TO EXISTING UNPAINTED GALVANIZING STEEL:

THE NEW GALVANIZED FAYING SURFACE SHALL BE LIGHTLY SCORED BY WIRE BRUSHING AFTER GALVANIZING AND PRIOR TO ASSEMBLY. THE EXISTING GALVANIZED FAYING SURFACE SHALL BE LIGHTLY SCORED PRIOR TO ASSEMBLY. AFTER TENSIONING THE BOLTS, THE FAYING SURFACES SHALL BE IN FIRM CONTACT.

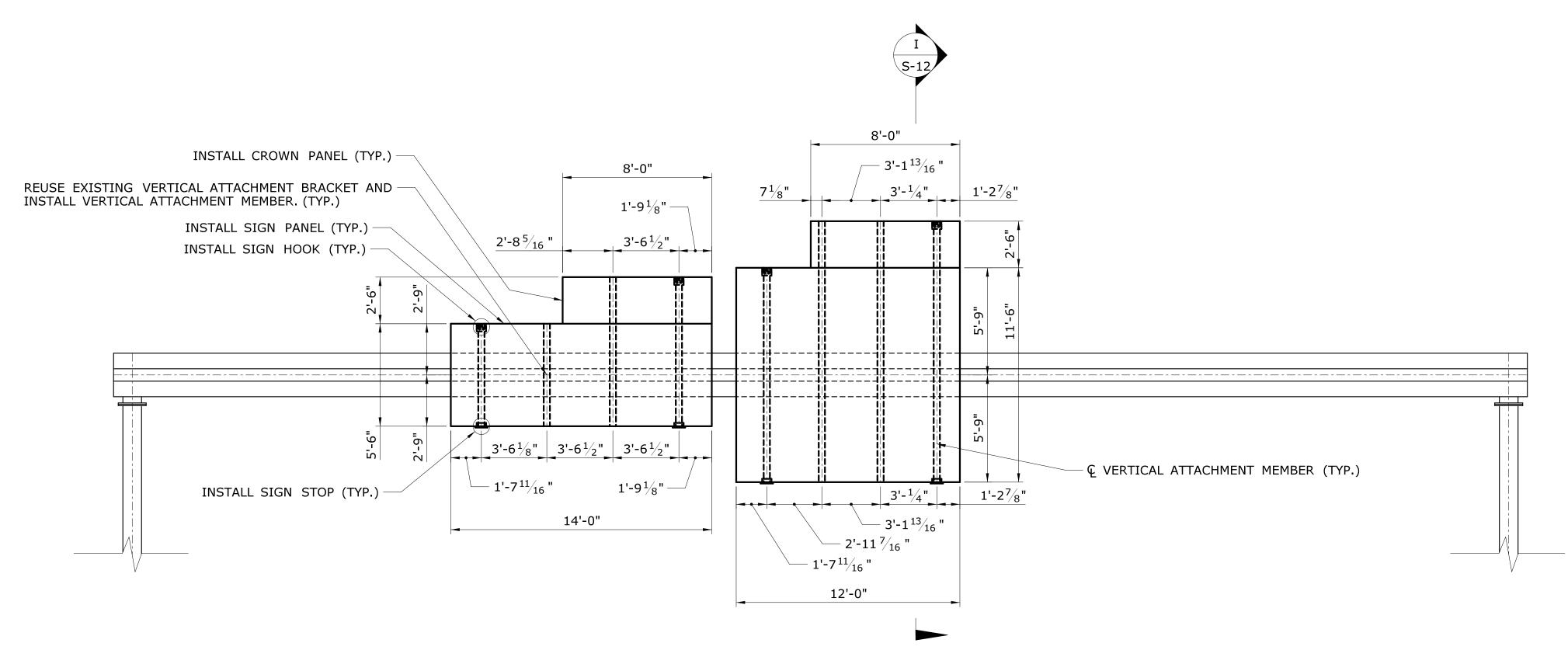
NEW STEEL TO EXISTING PAINTED STEEL:

THE NEW GALVANIZED FAYING SURFACE SHALL BE LIGHTLY SCORED BY WIRE BRUSHING AFTER GALVANIZING AND PRIOR TO ASSEMBLY. ALL PACK OR LAMINAR RUST SHALL BE REMOVED FROM EXISTING FAYING SURFACES THAT ARE TO REMAIN AND WILL BE ATTACHED TO THE NEW STRUCTURAL STEEL. BURRS OR OTHER IRREGULARITIES THAT PREVENT SOLID SEATING OF THE FAYING SURFACES SHALL BE REMOVED. THE FAYING SURFACE OF THE EXISTING STEEL SHALL BE FREE OF DIRT OR OTHER FOREIGN MATERIAL. LOOSE OR NON-ADHERENT PAINT SHALL BE REMOVED, BUT TIGHTLY ADHERENT PAINT NEED NOT BE REMOVED. AFTER TENSIONING THE BOLTS, THE FAYING SURFACES SHALL BE IN FIRM CONTACT.



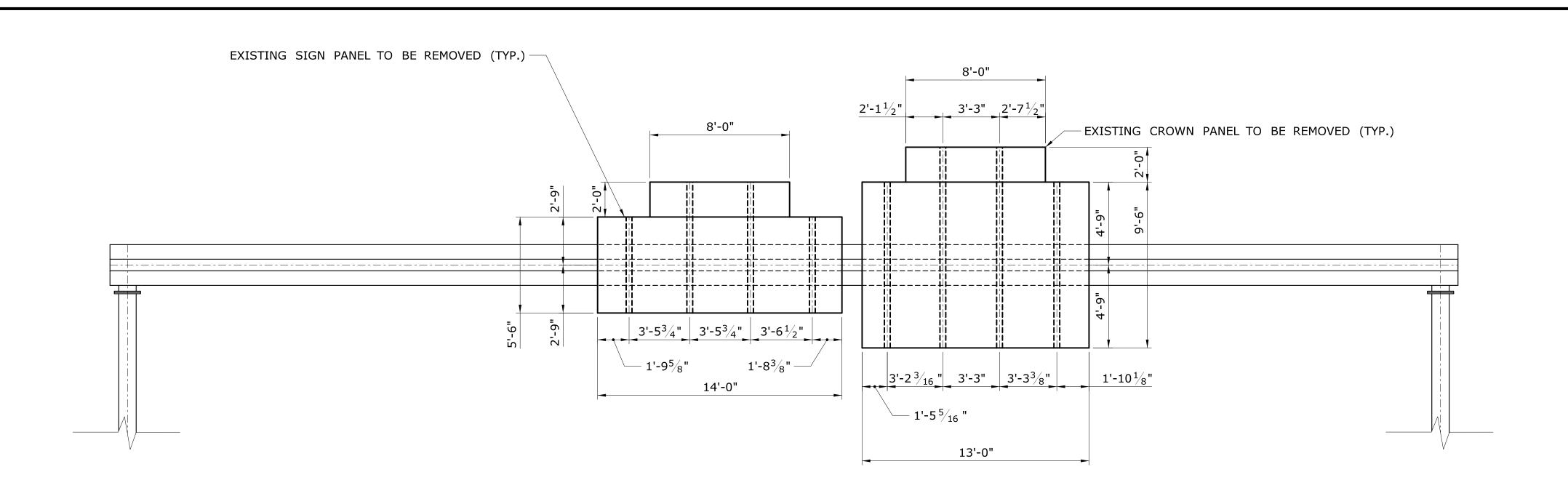


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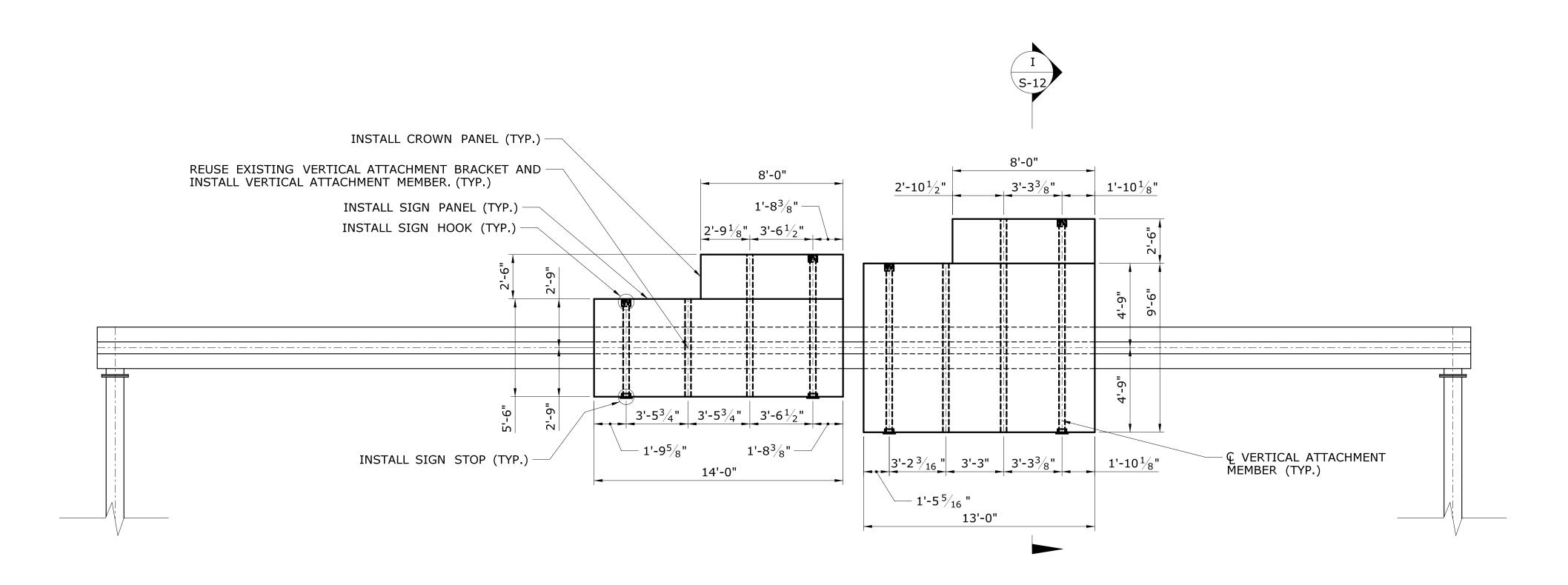


### FINAL CONDITIONS SIGN SUPPORT NO. 21254

	THE INFORMATION, INCLUDING ESTIMATE QUANTITIES OF WORK, SHOWN ON THES	DESIGNER/DRAFTER:  MDG  CHECKED BY:	CONNECTICO	SIGNATURE/ BLOCK:	REPLACEMENT OI	TOWN:	PROJECT NO. <b>172-388</b>
	SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	RDD	DEPARTMENT OF TRANSPORTATION	OFFICE OF ENGINEERING  APPROVED BY:	HIGHWAY SIGNIN	VARIOUS  DRAWING TITLE:	DRAWING NO.  S-4
REV. DATE	REVISION DESCRIPTION  SHEET NO. Plotted Date: 7/8/2013	SCALE AS NOTED	Filename:\01720388_SB_41T_Support21254.dgn	Tooth	ON I-395	SIGN SUPPORT NO. 21254 DETAILS	SHEET NO. <b>04.04</b>

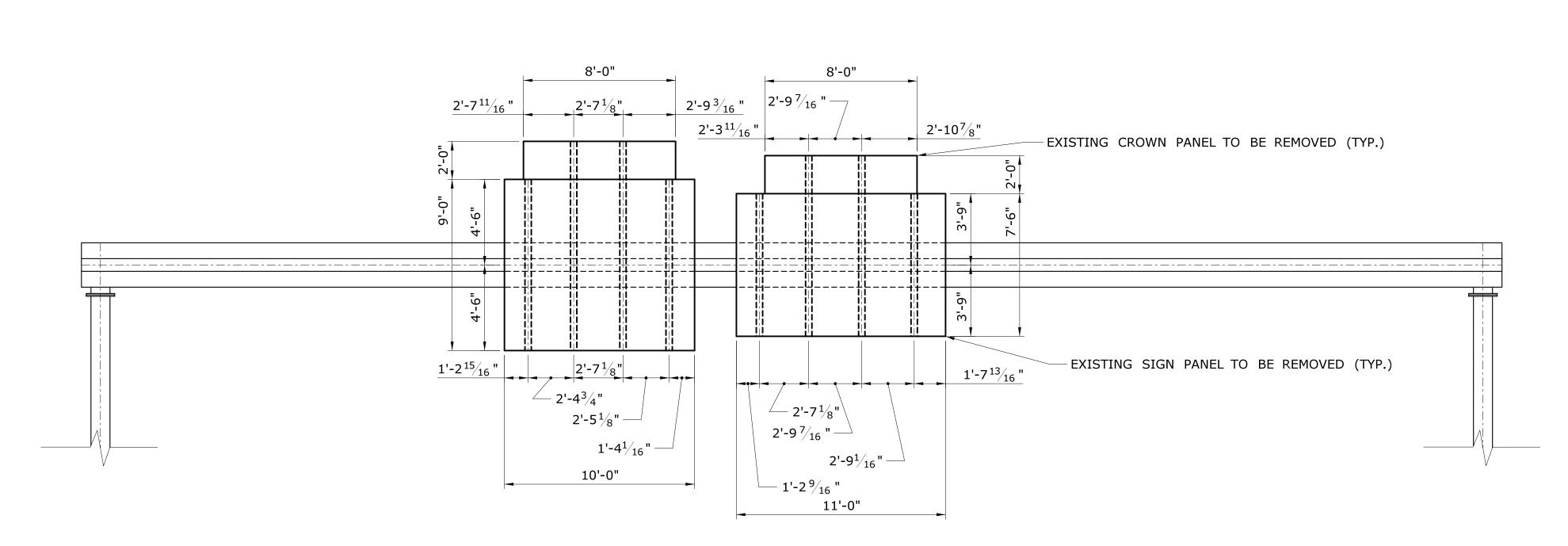


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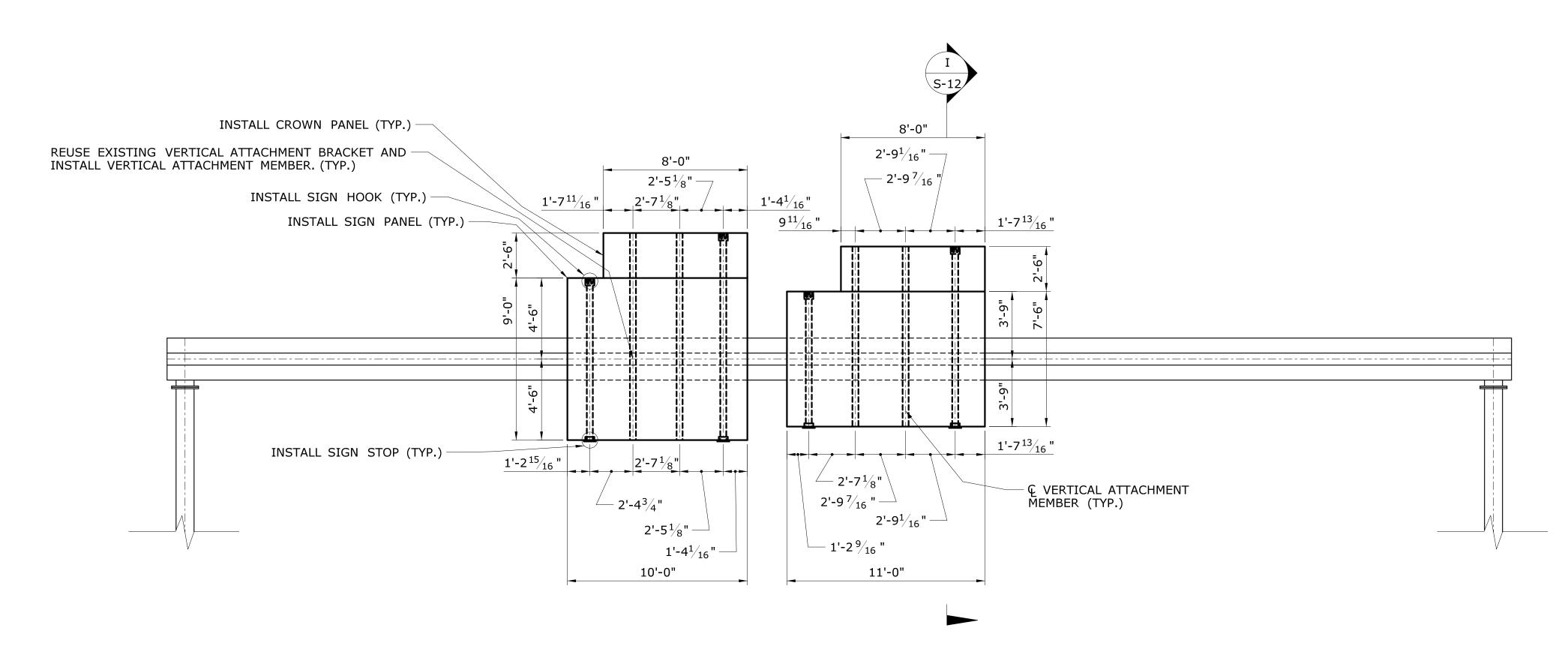


### FINAL CONDITIONS SIGN SUPPORT NO. 21255

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REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/8/2013	SCALE AS NOTED	DEPARTMENT OF TRANSPORTATION  Filename:\01720388_SB_41T_Support21255.dgn	APPROVED BY:	HIGHWAY SIGNING ON I-395	SIGN SUPPORT NO. 21255 DETAILS	SHEET NO. <b>04.05</b>

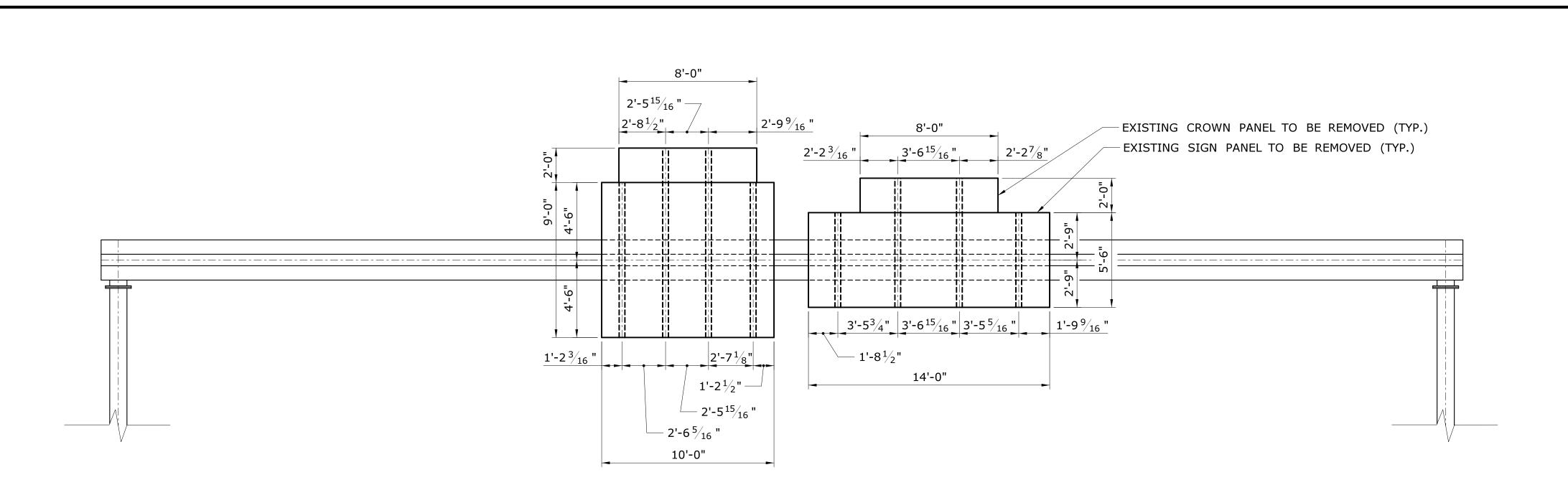


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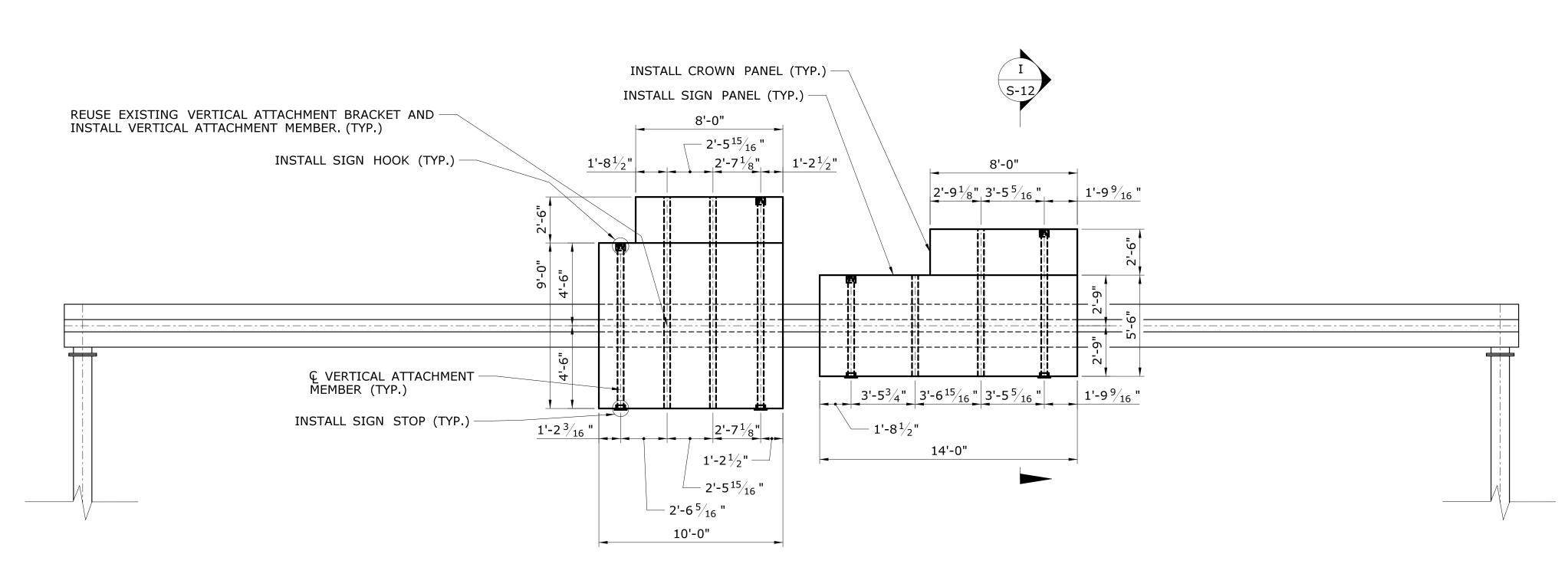


### FINAL CONDITIONS SIGN SUPPORT NO. 21257

			DESIGNER/DRAFTER:	( SP) ( SP)	SIGNATURE/	PROJECT TITLE:		TOWN:	PROJECT NO.
		THE INFORMATION, INCLUDING ESTIMATED	MDG		BLOCK:	DE	EPLACEMENT OF		172-388
		SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS	RDD	STATE OF CONNECTICUT	OFFICE OF ENGINEERING	J		VARIOUS	DRAWING NO.
		IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	ROD	DEPARTMENT OF TRANSPORTATION	APPROVED BY:	_  HI	GHWAY SIGNING	DRAWING TITLE:	— Տ-6
		OF WORK WHICH WILL BE REQUIRED.	COALE AC NOTED	DEPARTMENT OF TRANSPORTATION	=======================================		ON I-395	SIGN SUPPORT NO.	SHEET NO.
REV DATE	REVISION DESCRIPTION SHEET I	NO Plotted Date: 7/8/2013	SCALE AS NOTED	Filename:\01720388_SB_41T_Support21257.dgn	f well		011 1 000	21257 DETAILS	04.06

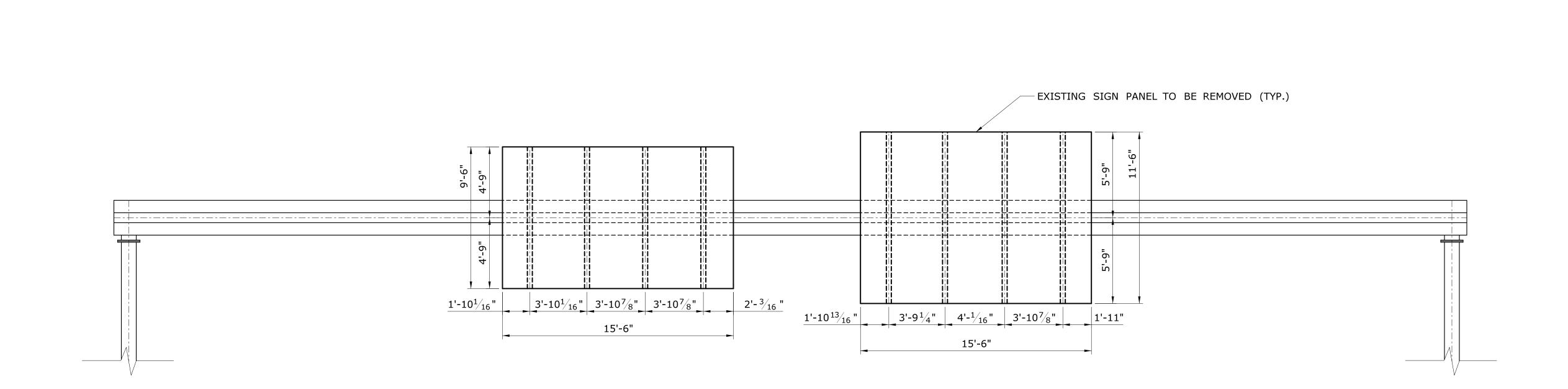


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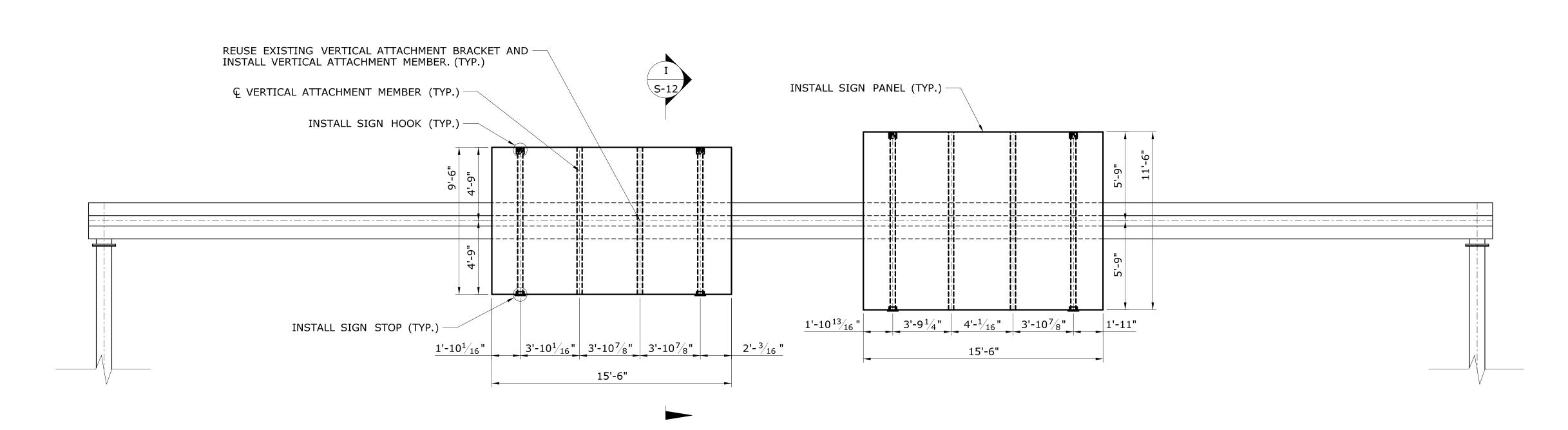


### FINAL CONDITIONS SIGN SUPPORT NO. 21258

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	BESIGNER/DRAFTER:  MDG HECKED BY:  RDD  SCALE AS NOTED  SIGNER/DRAFTER:  DEPARTMENT OF T	OF TRA	REPLACEMENT OF HIGHWAY SIGNING ON I-395	VARIOUS  DRAWING TITLE: SIGN SUPPORT NO.	PROJECT NO.  172-388  DRAWING NO.  S-7  SHEET NO.  04.07
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/8/2013	Filename:\01720388_SB_41T_Support212	58.dgn		21258 DETAILS	04.07

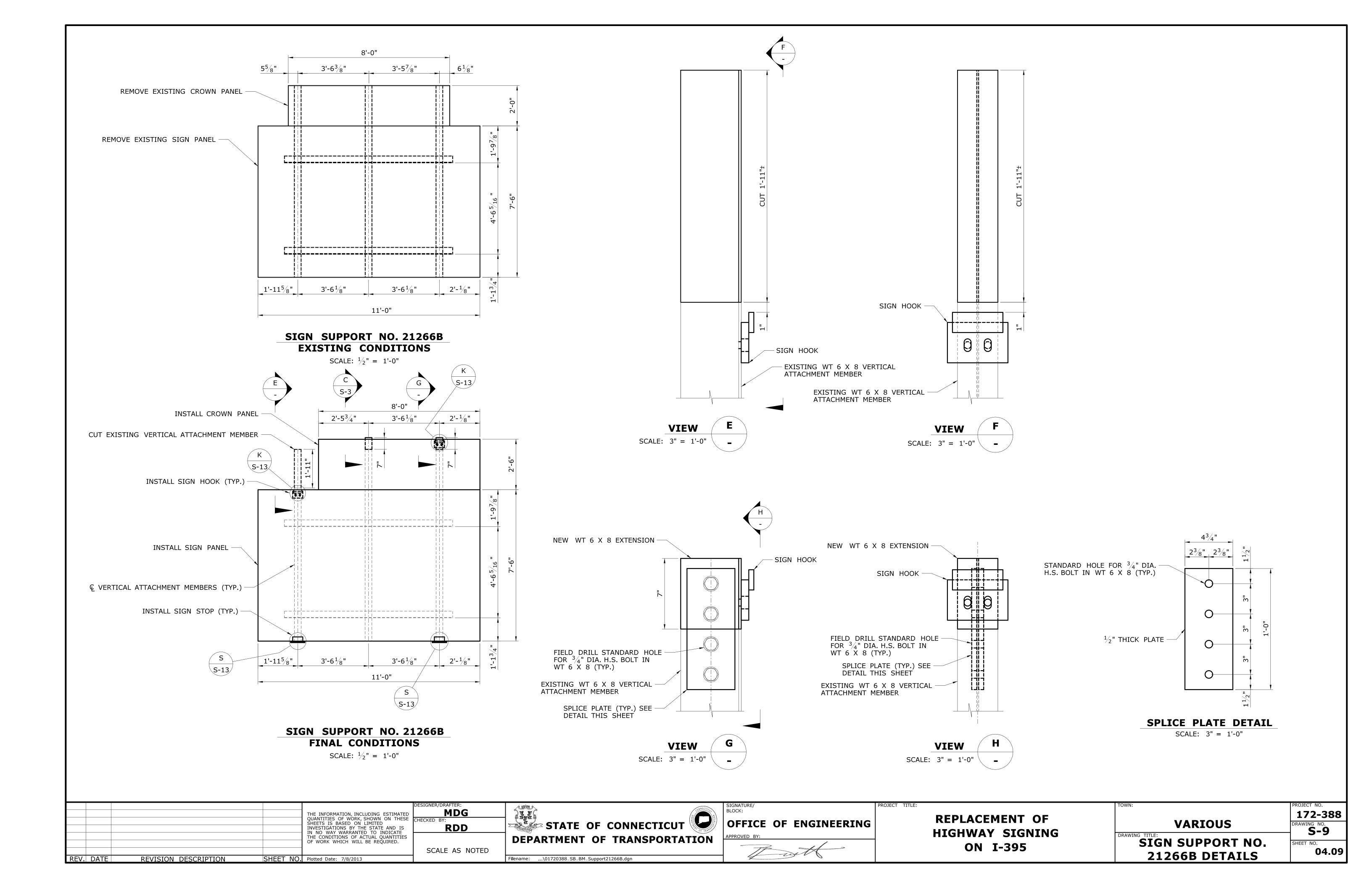


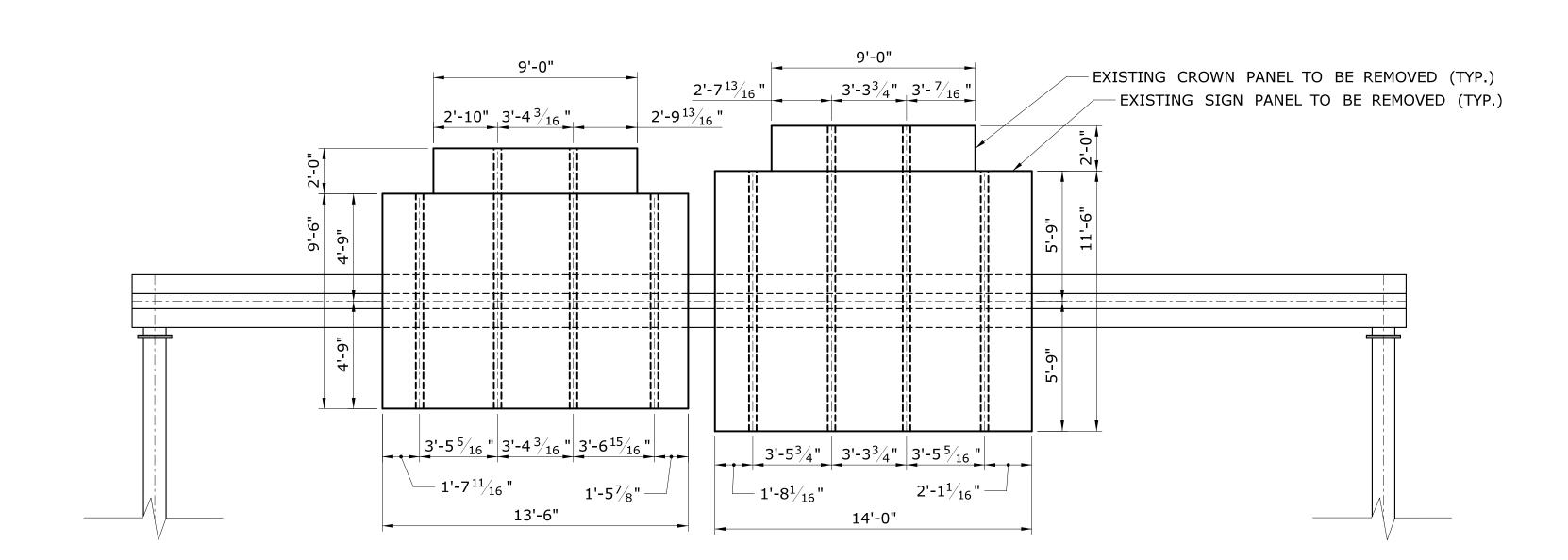
## EXISTING CONDITIONS SIGN SUPPORT NO. 21265 SCALE: 1/4" = 1'-0"



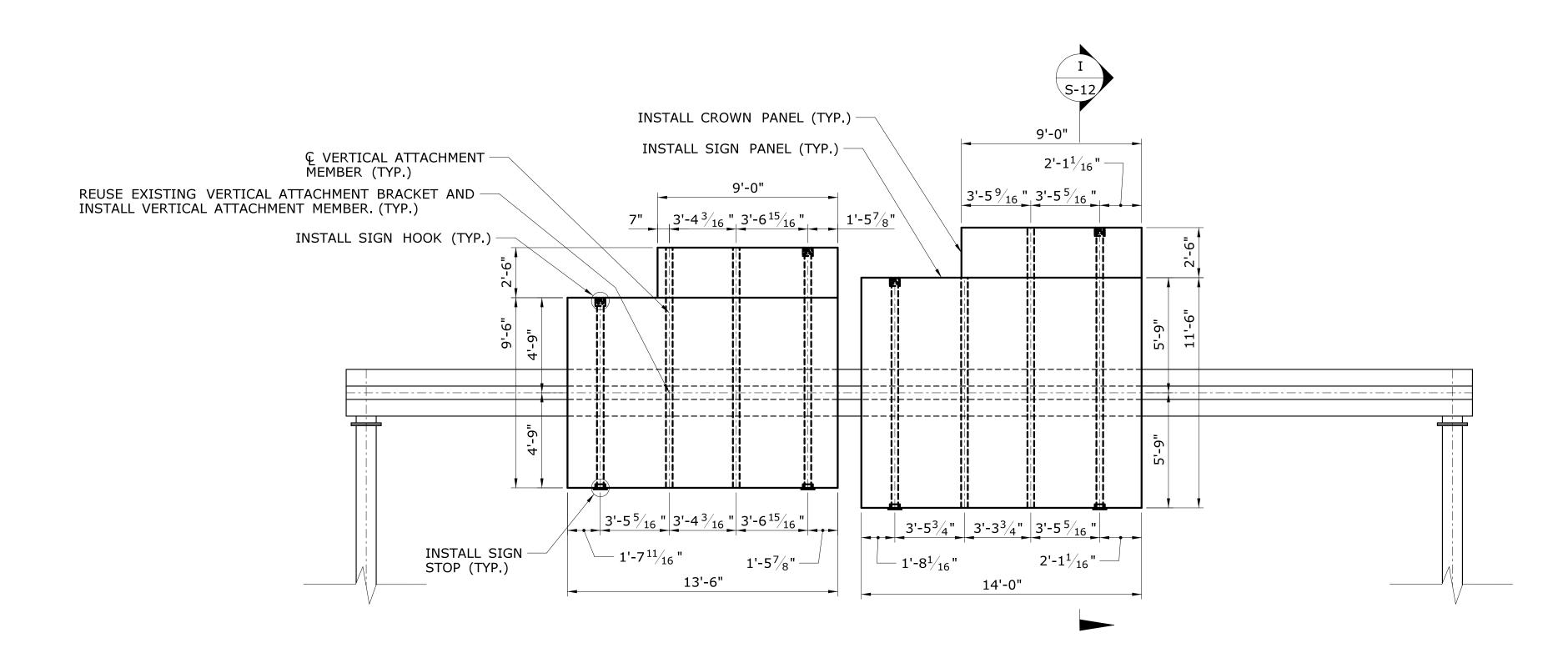
### FINAL CONDITIONS SIGN SUPPORT NO. 21265

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE IN NO WAY WARRANTED TO INDICATE	MDG HECKED BY: RDD	STATE OF CONTILCTION	SIGNATURE/ BLOCK:  OFFICE OF ENGINEERING	REPLACEMENT OF HIGHWAY SIGNING	VARIOUS	PROJECT NO.  172-388  DRAWING NO.  S-8
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/8/2013	SCALE AS NOTED  Filename:	PARTMENT OF TRANSPORTATION  ::\01720388_SB_41T_Support21265.dgn	The settle	ON I-395	SIGN SUPPORT NO. 21265 DETAILS	SHEET NO. <b>04.08</b>



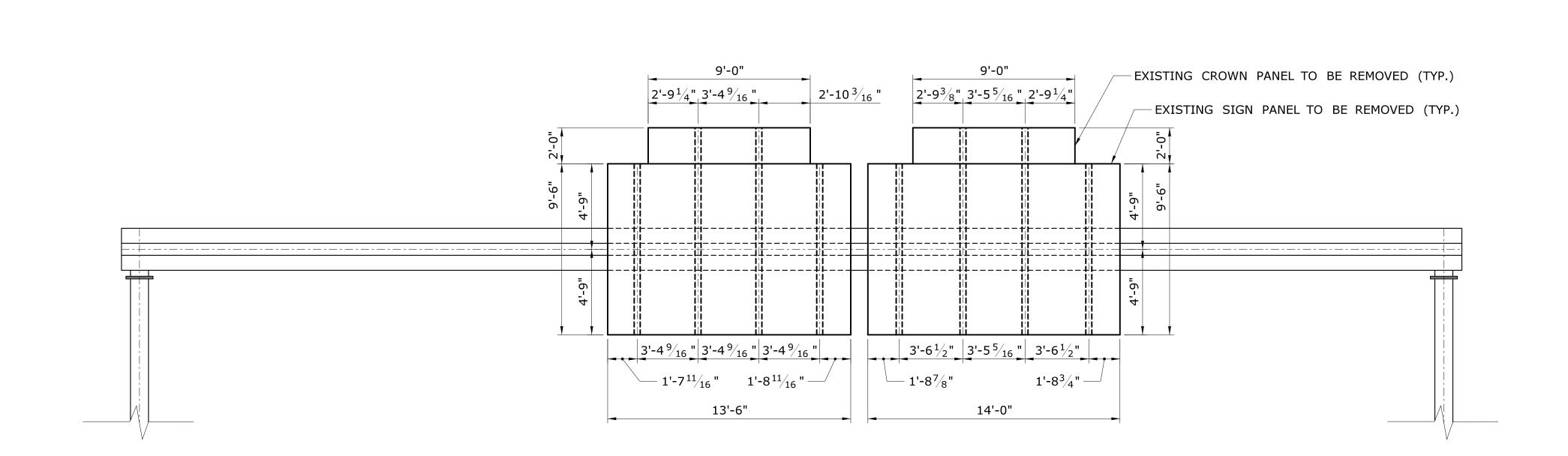


SCALE:  $\frac{1}{4}$ " = 1'-0"

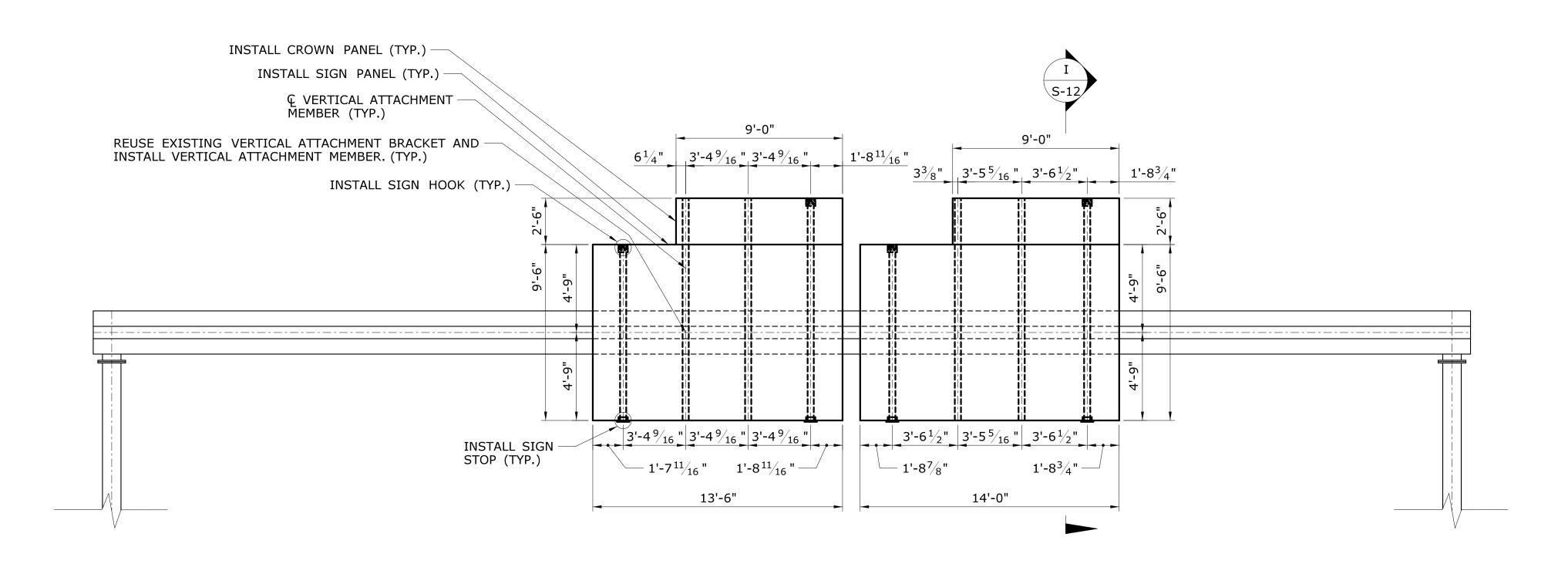


### FINAL CONDITIONS SIGN SUPPORT NO. 21270

		[0	DESIGNER/DRAFTER:	ANNECTION OF THE PROPERTY OF T	SIGNATURE/	PROJECT TITLE:		TOWN:	PROJECT NO.
		THE INFORMATION, INCLUDING ESTIMATED	MDG		BLOCK:		REPLACEMENT OF		172-388
		SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS	RDD	STATE OF CONNECTICUT	OFFICE OF ENGINEERING			VARIOUS	DRAWING NO. <b>S-10</b>
		IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	NDD .	DEPARTMENT OF TRANSPORTATION	APPROVED BY:		HIGHWAY SIGNING	DRAWING TITLE:	<b>— 2-10</b>
		OF WORK WHICH WILL BE REQUIRED.	COALE AC NOTED	DEPARTMENT OF TRANSPORTATION	=======================================		ON I-395	SIGN SUPPORT NO.	SHEET NO.
REV DATE	REVISION DESCRIPTION SHEET NO	Plotted Date: 7/8/2013	SCALE AS NOTED	Filename:\01720388_SB_41T_Support21270.dgn	fret		0.11 2 0 9 0	21270 DETAILS	04.10

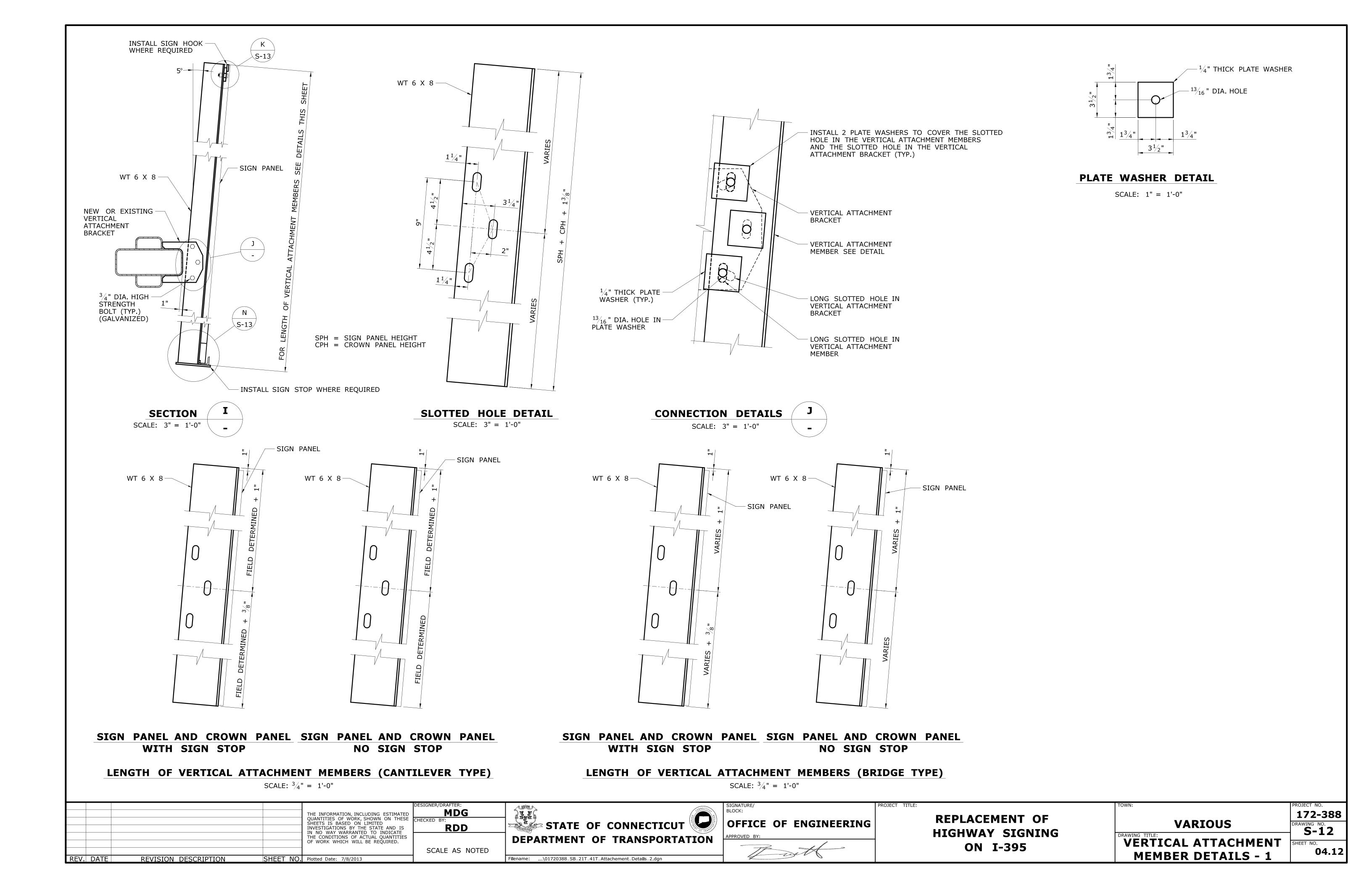


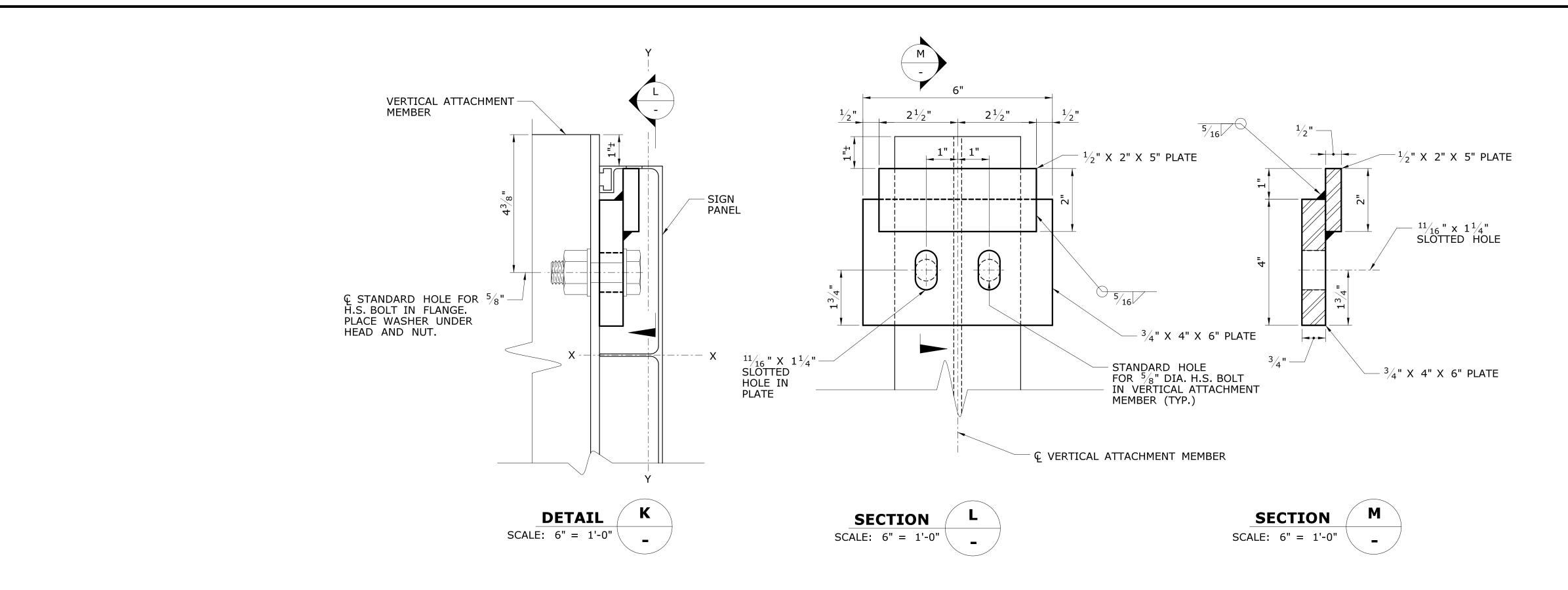
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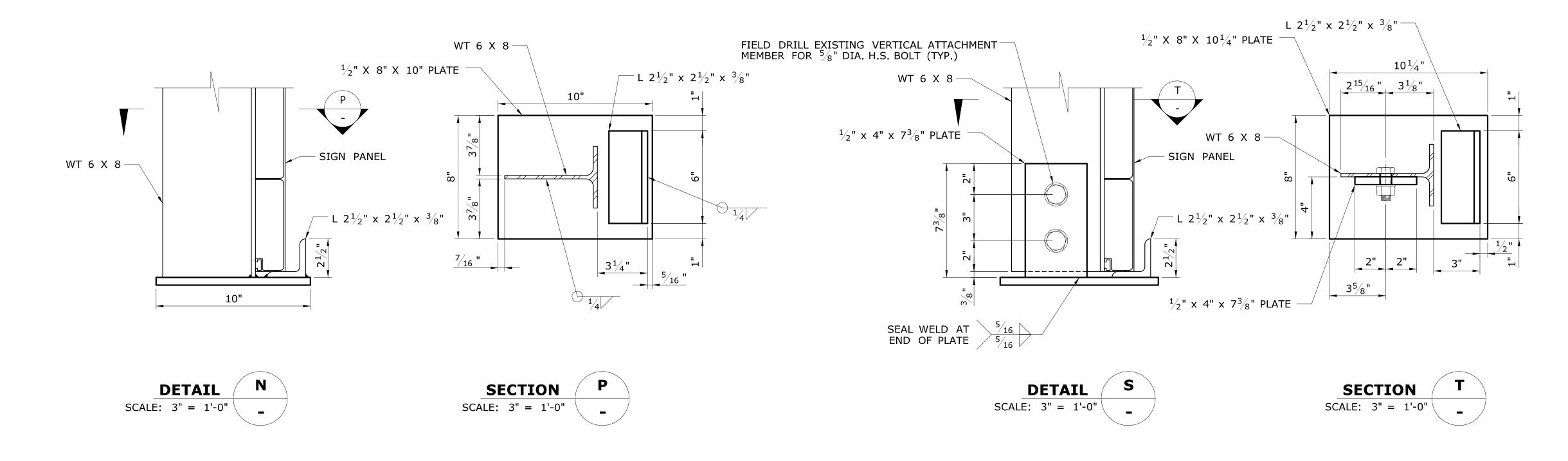
### FINAL CONDITIONS SIGN SUPPORT NO. 21271

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		THE INFORMATION, INCLUDING ESTIMATED	MDG		BLOCK:	REPLACEMENT OF		172-388
		SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS	RDD	STATE OF CONNECTICUT	OFFICE OF ENGINEERING		VARIOUS	DRAWING NO. <b>S-11</b>
		IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES		DEPARTMENT OF TRANSPORTATION	APPROVED BY:	HIGHWAY SIGNING	DRAWING TITLE:	<b>3-11</b>
		OF WORK WHICH WILL BE REQUIRED.	COALE AC NOTER	DEFARIMENT OF TRANSPORTATION	=======================================	ON I-395	SIGN SUPPORT NO.	SHEET NO.
DE) / DATE	DEVICE DESCRIPTION CHEET NO		SCALE AS NOTED		1 well		21271 DETAILS	04.11
REV. DATE	REVISION DESCRIPTION SHEET NO.	Plotted Date: 7/8/2013		Filename:\01720388_SB_41T_Support21271.dgn	<u> </u>			



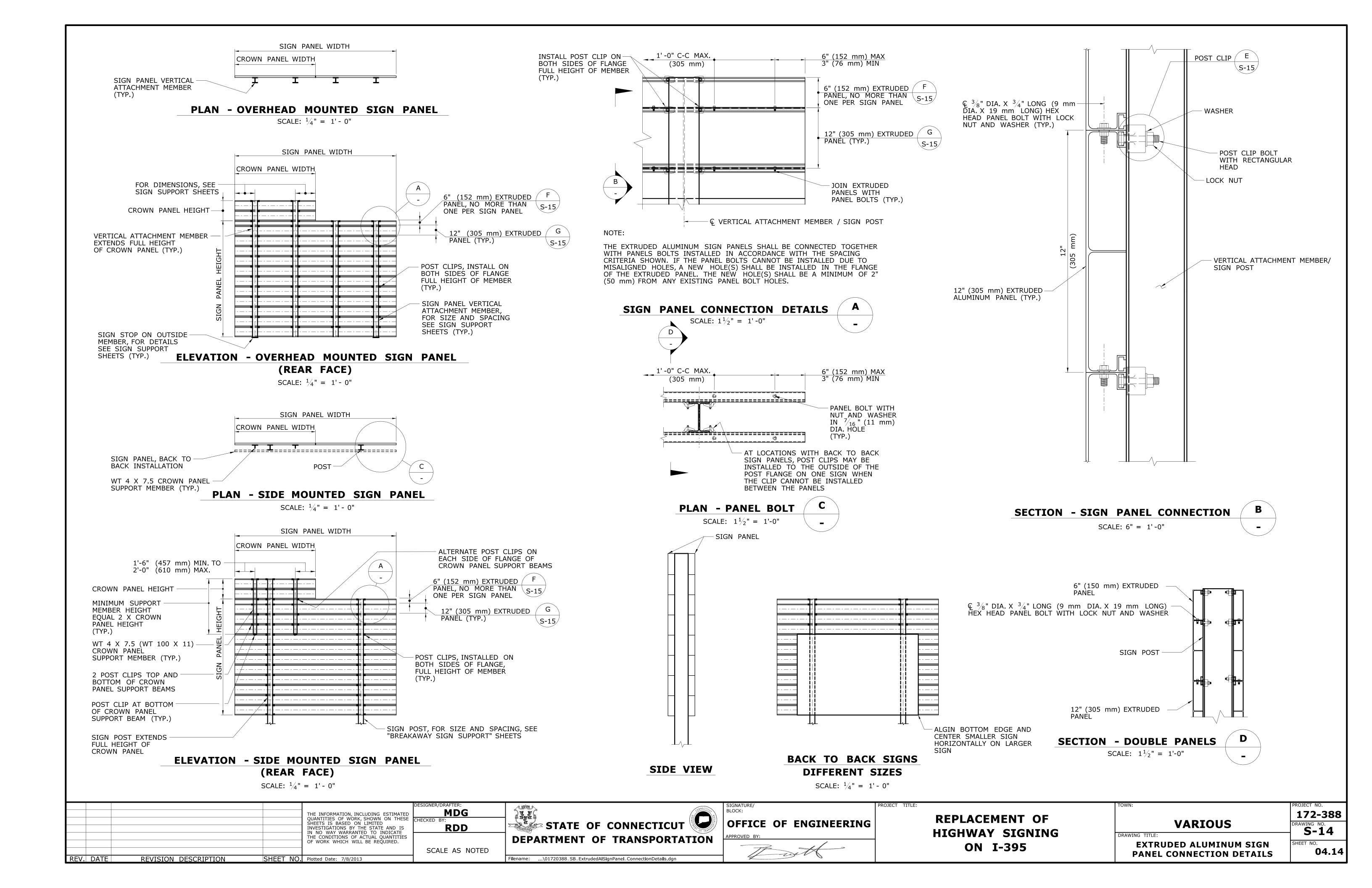


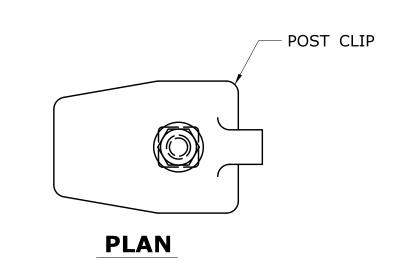
#### TYPICAL SIGN PANEL HOOK DETAILS

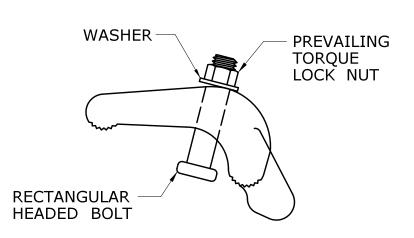


#### TYPICAL SIGN STOP DETAILS

	THE INFORMATION, INCLUDING ESTIMATED OUANTITIES OF WORK, SHOWN ON THESE CHECKED BY:		BLOCK:	REPLACEMENT OF		172-388
	SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES  THE CONDITIONS OF ACTUAL QUANTITIES	DEPARTMENT OF TRANSPORTATION	OFFICE OF ENGINEERING  APPROVED BY:	HIGHWAY SIGNING	VARIOUS  DRAWING TITLE:	DRAWING NO.  S-13
DEV DATE DEVISION DECORPTION CHEET NO	OF WORK WHICH WILL BE REQUIRED.  SCALE AS NOTED	DEPARTMENT OF TRANSPORTATION	Thist	ON I-395	VERTICAL ATTACHMENT MEMBER DETAILS - 2	SHEET NO. <b>04.13</b>

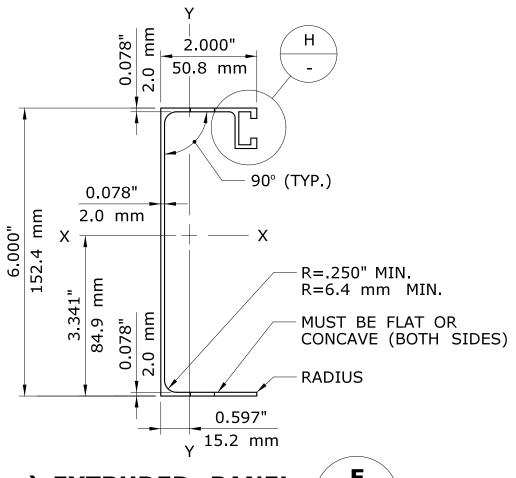


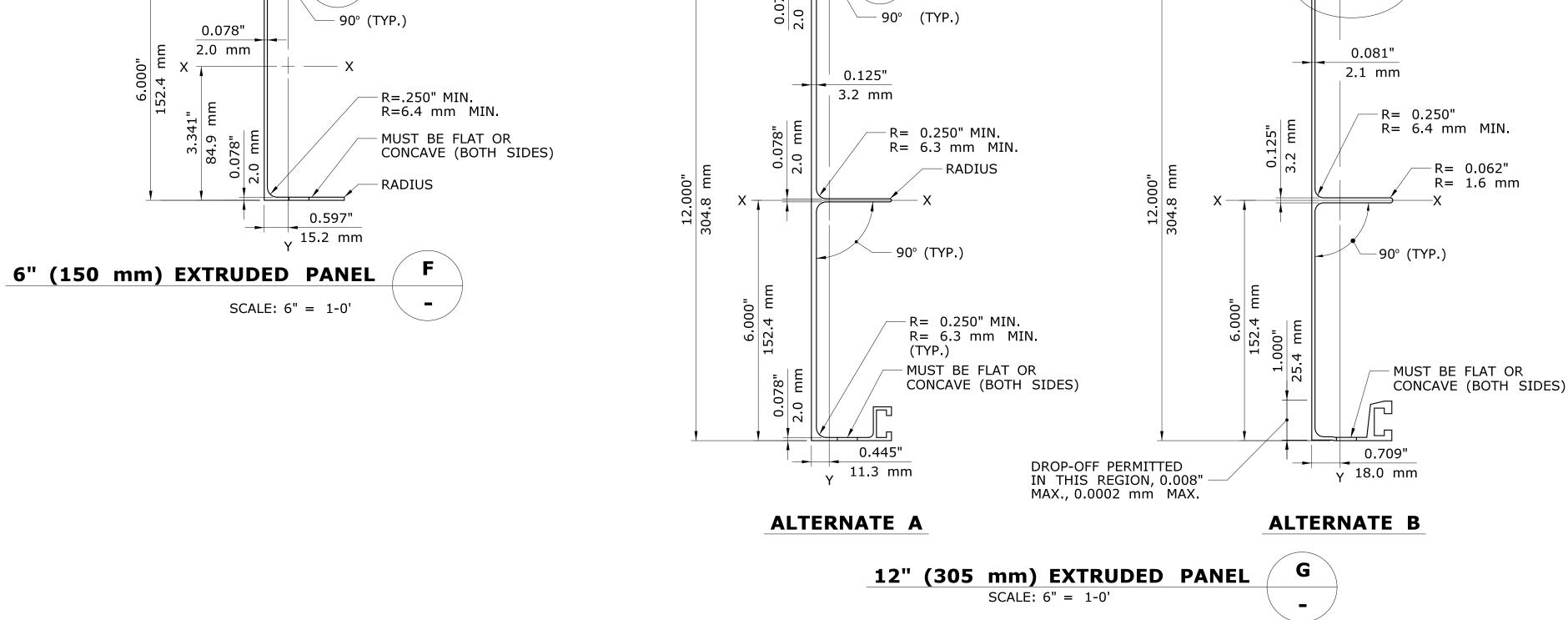




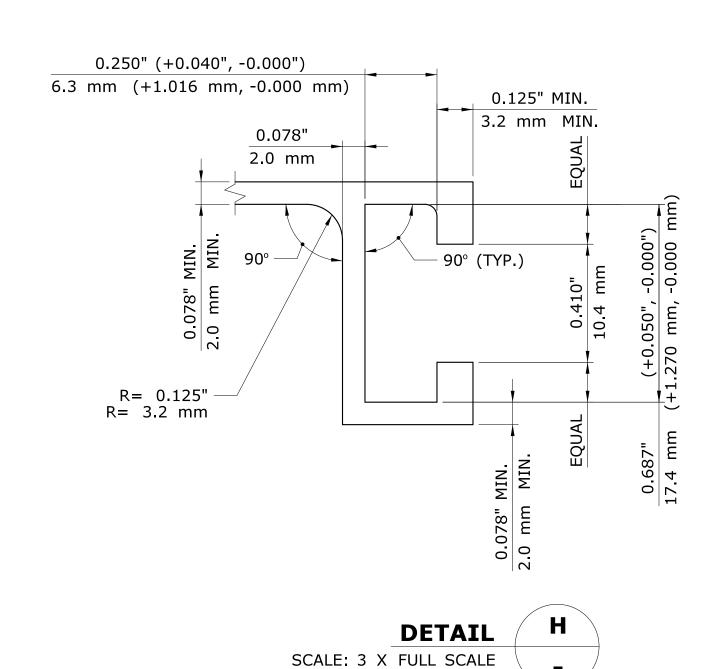
**ELEVATION** 

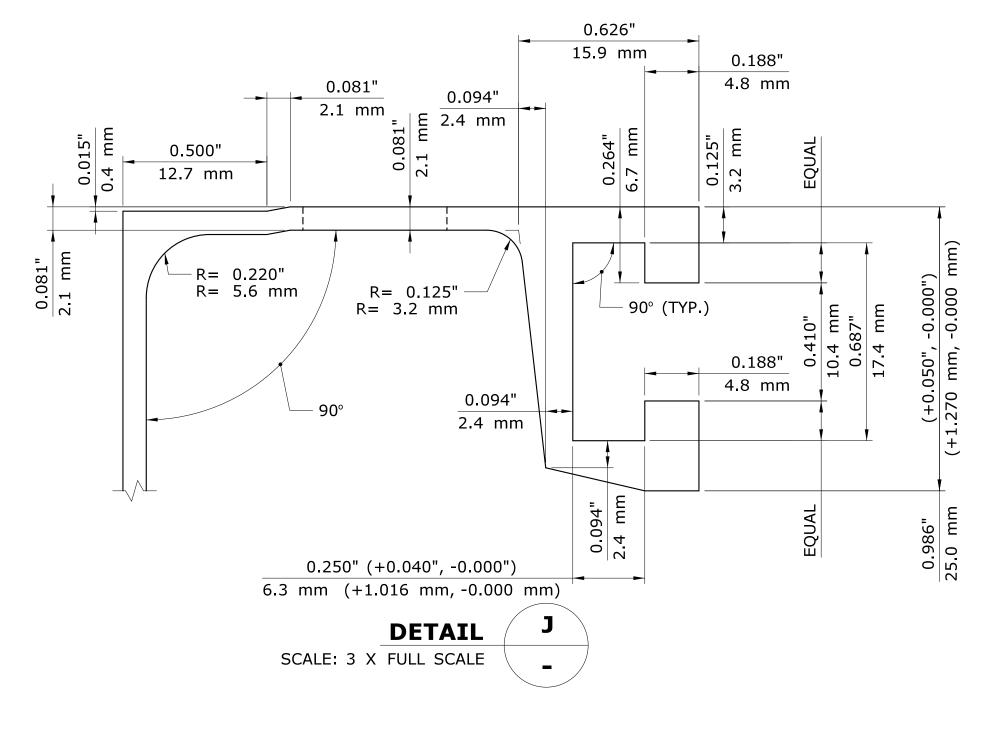






2.000"





NOTES:

THE EXTRUDED PANELS SHALL CONFORM TO THE REQUIREMENTS ASTM B221, ALLOY 6063-T6 AND THE FOLLOWING SECTION PROPERTIES:

2.000"

50.8 mm

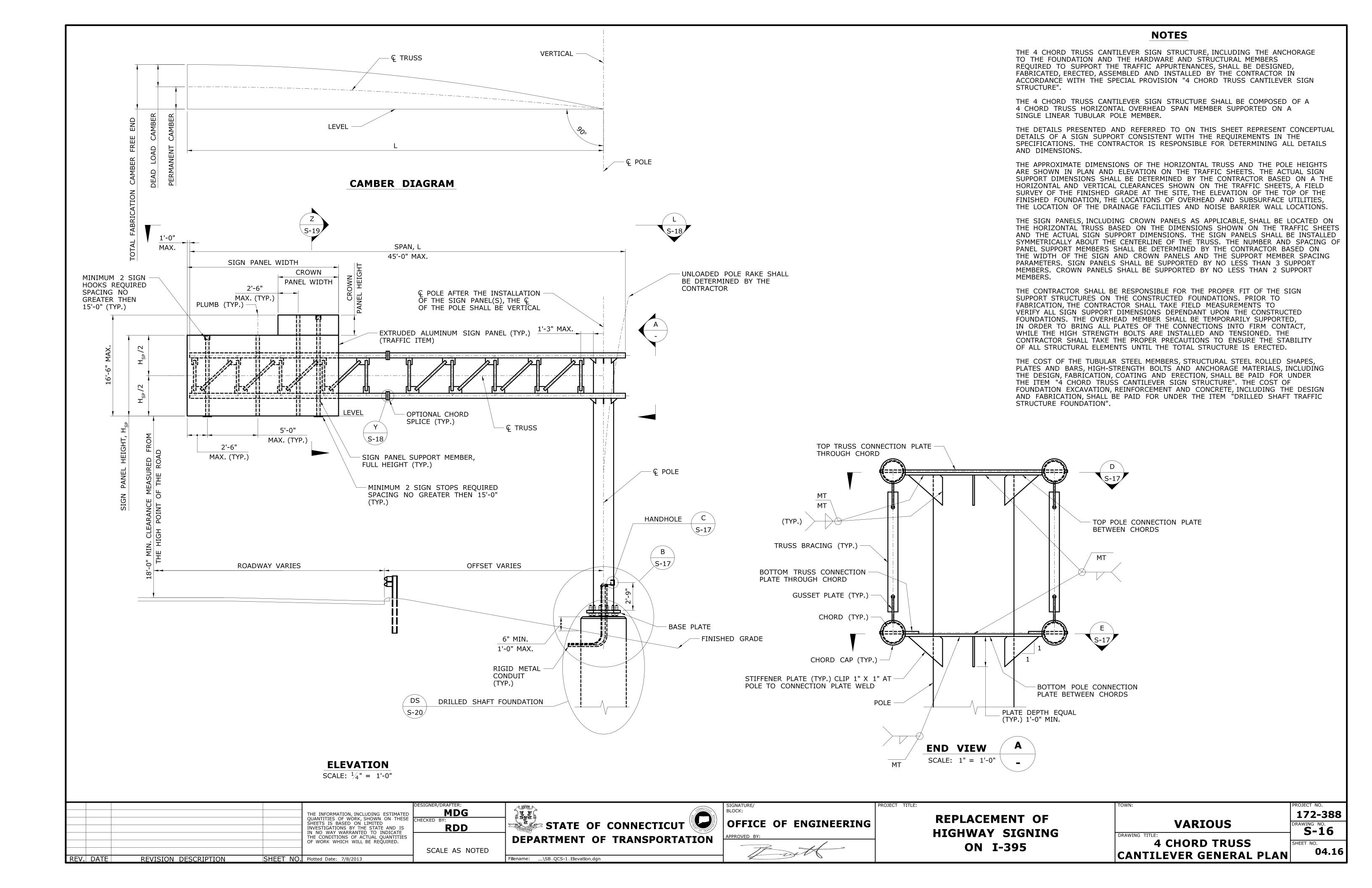
	AREA OF SECTION	WT. / FT.	I <sub>X-X</sub>	I <sub>Y-Y</sub>
SECTION	in <sup>2</sup> (mm <sup>2</sup> )	LBS. / FT. (KG / M)	in <sup>4</sup> (mm <sup>4</sup> )	in <sup>4</sup> (mm <sup>4</sup> )
6" (150 mm)	0.933	1.13	5.023	0.473
EXTRUDED PÁNEL	(601.93)	(0.16)	(2 090 730)	(196 877)
12" (305 mm)	2.237	2.72	36.284	0.941
EXTRUDED PANEL ALTERNATE A	(1443.22)	(0.38)	(15 102 541)	(391 674)
12" (305 mm) EXTRUDED PANEL	2.091	2.54	38.947	1.183
ALTERNATE B	(1349.03)	(0.35)	(16 210 965)	(492 402)

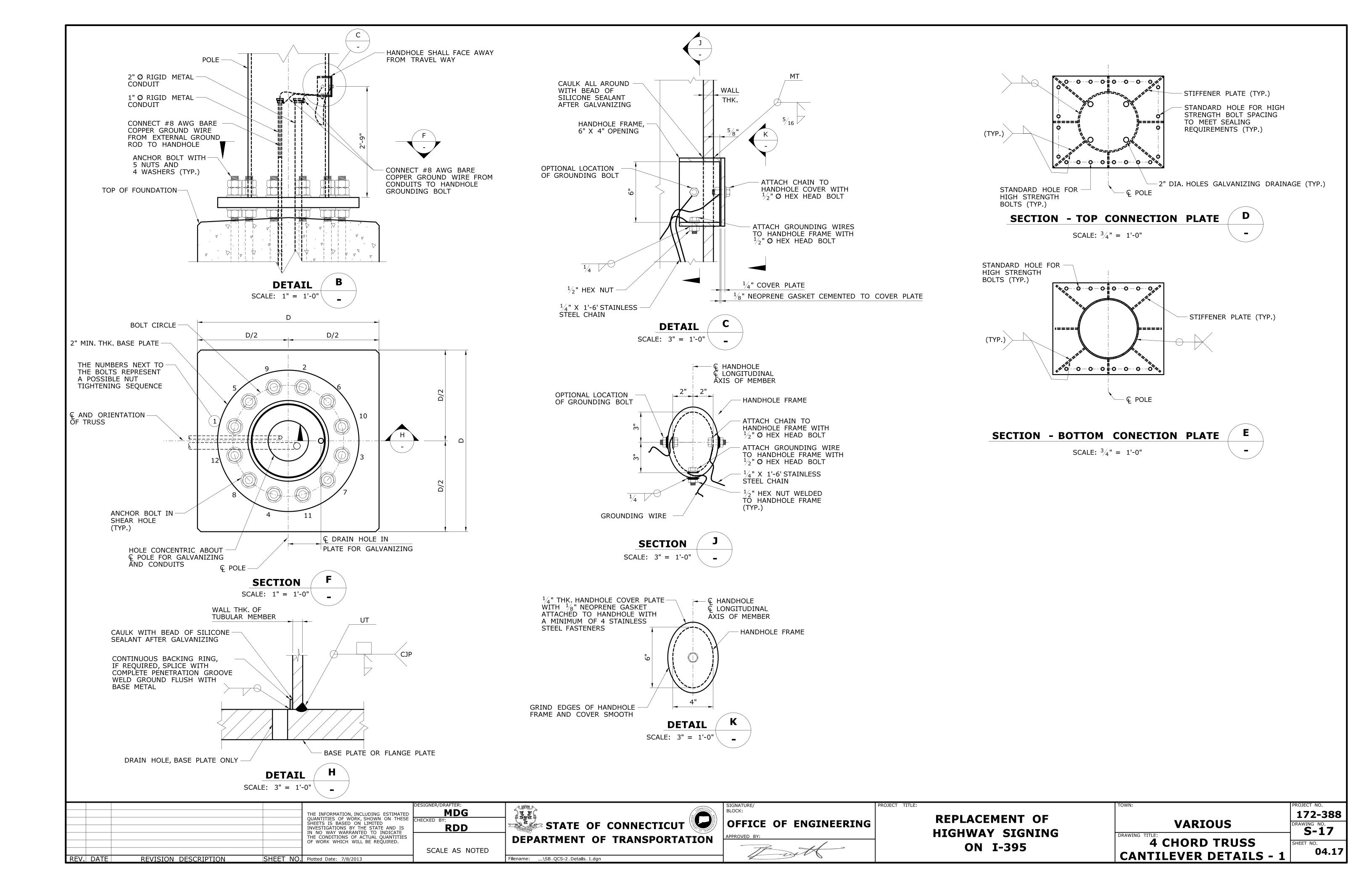
THE PANEL BOLTS SHALL CONFORM TO ASTM A193, CLASS 1, GRADE B8 (TYPE 304). THE NUTS SHALL BE A COMPATIBLE HEX, PREVAILING TORQUE (NYLON INSERT) LOCK NUTS CONFORMING TO ASTM A194, CLASS 1, GRADE B8 (TYPE 304). THE WASHERS SHALL BE A COMPATIBLE, FLAT, CIRCULAR WASHERS CONFORMING TO ASTM A276, TYPE 304, ANNEALED.

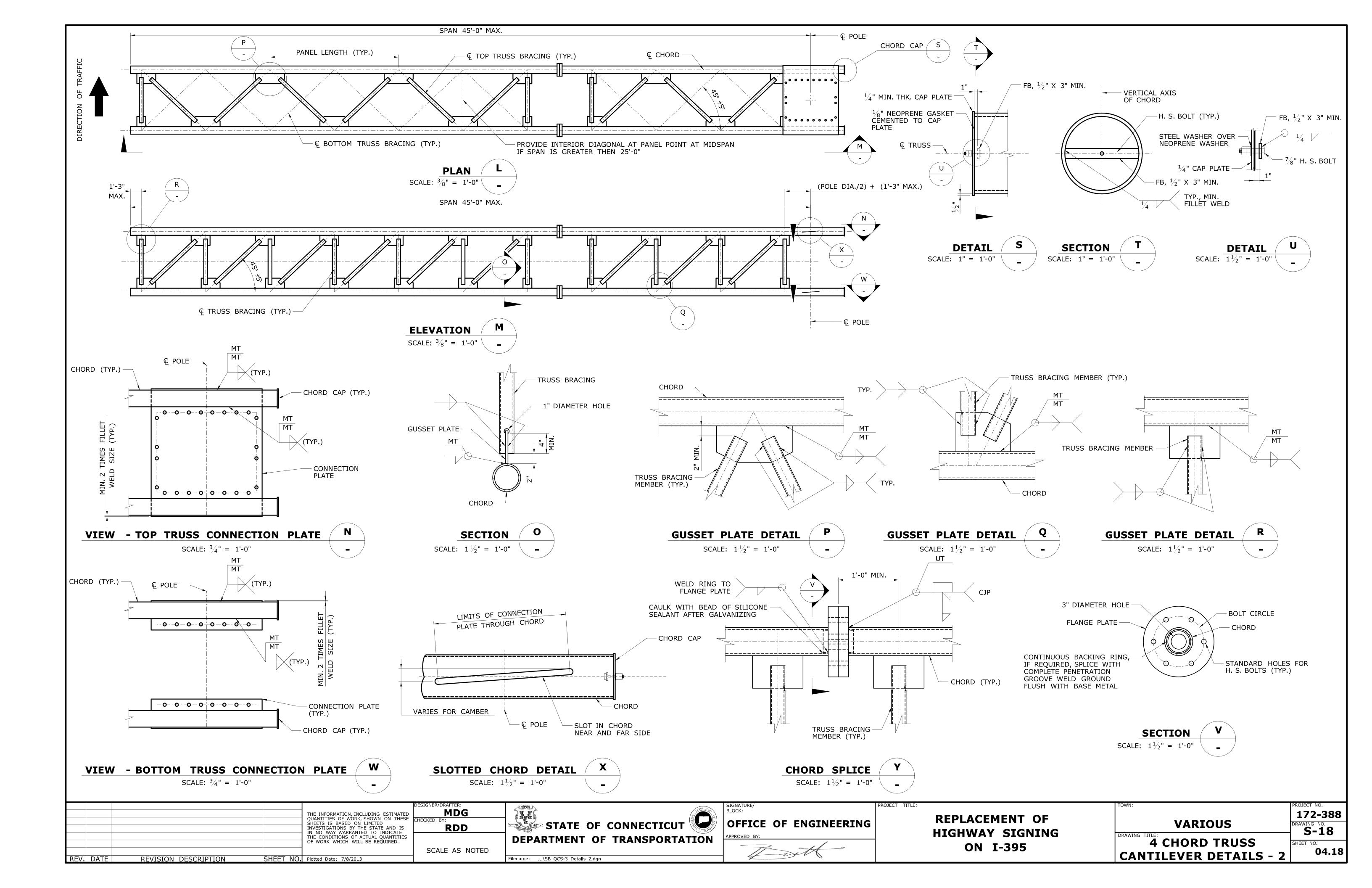
THE POST CLIP ASSEMBLY SHALL COMPOSED OF A POST CLIP AND A BOLT WITH A NUT AND WASHER. THE POST CLIP SHALL CONFORM TO THE REQUIREMENTS OF ASTM B26, ALLOY 356.0-T6. THE POST BOLT SHALL BE A  $\frac{3}{8}$ " DIA. X  $1^3/4$ " LONG (9 mm DIA. X 44 mm LONG) RECTANGULAR HEAD BOLT CONFORMING TO ASTM A193, CLASS 1, GRADE B8 (TYPE 304). THE NUT SHALL BE A COMPATIBLE HEX, PREVAILING TORQUE (NYLON INSERT) LOCK NUT CONFORMING TO ASTM A194, CLASS 1, GRADE B8 (TYPE 304). THE WASHER SHALL BE A COMPATIBLE, FLAT, CIRCULAR WASHER CONFORMING TO ASTM A276, TYPE 304, ANNEALED. THE DIMENSIONS OF THE RECTANGULAR BOLT HEAD SHALL BE SUCH THAT IT WILL FIT INTO THE EXTRUDED PANEL SLOT AND WILL NOT ROTATE WHILE THE NUT IS BEING TURNED.

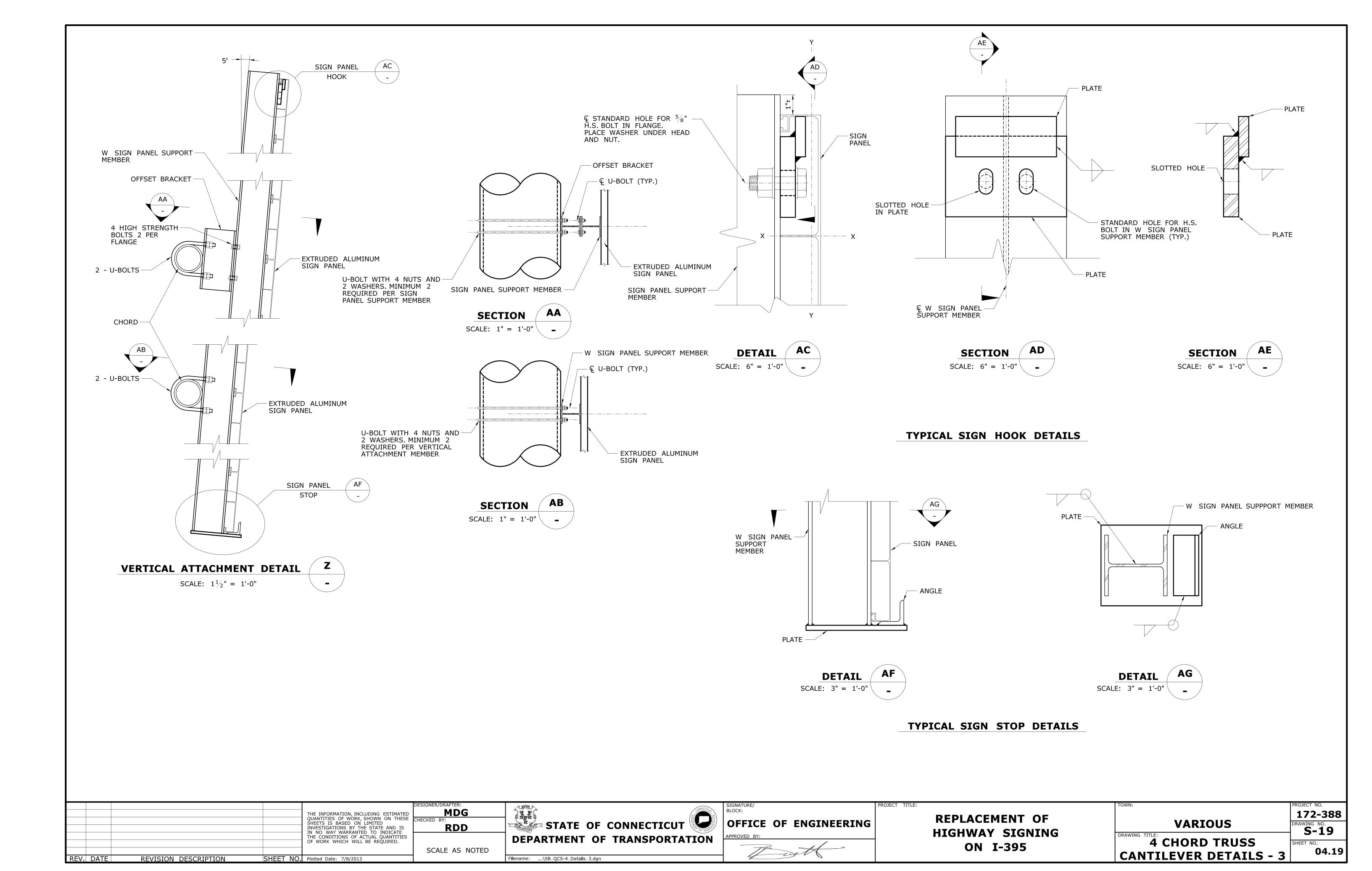
THE COST OF FURNISHING AND INSTALLING THE EXTRUDED ALUMINUM SIGN AND CROWN PANELS, INCLUDING THE PANELS BOLTS AND POST CLIP ASSEMBLIES, SHALL BE PAID FOR UNDER THE ITEM "SIGN FACE - EXTRUDED ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)".

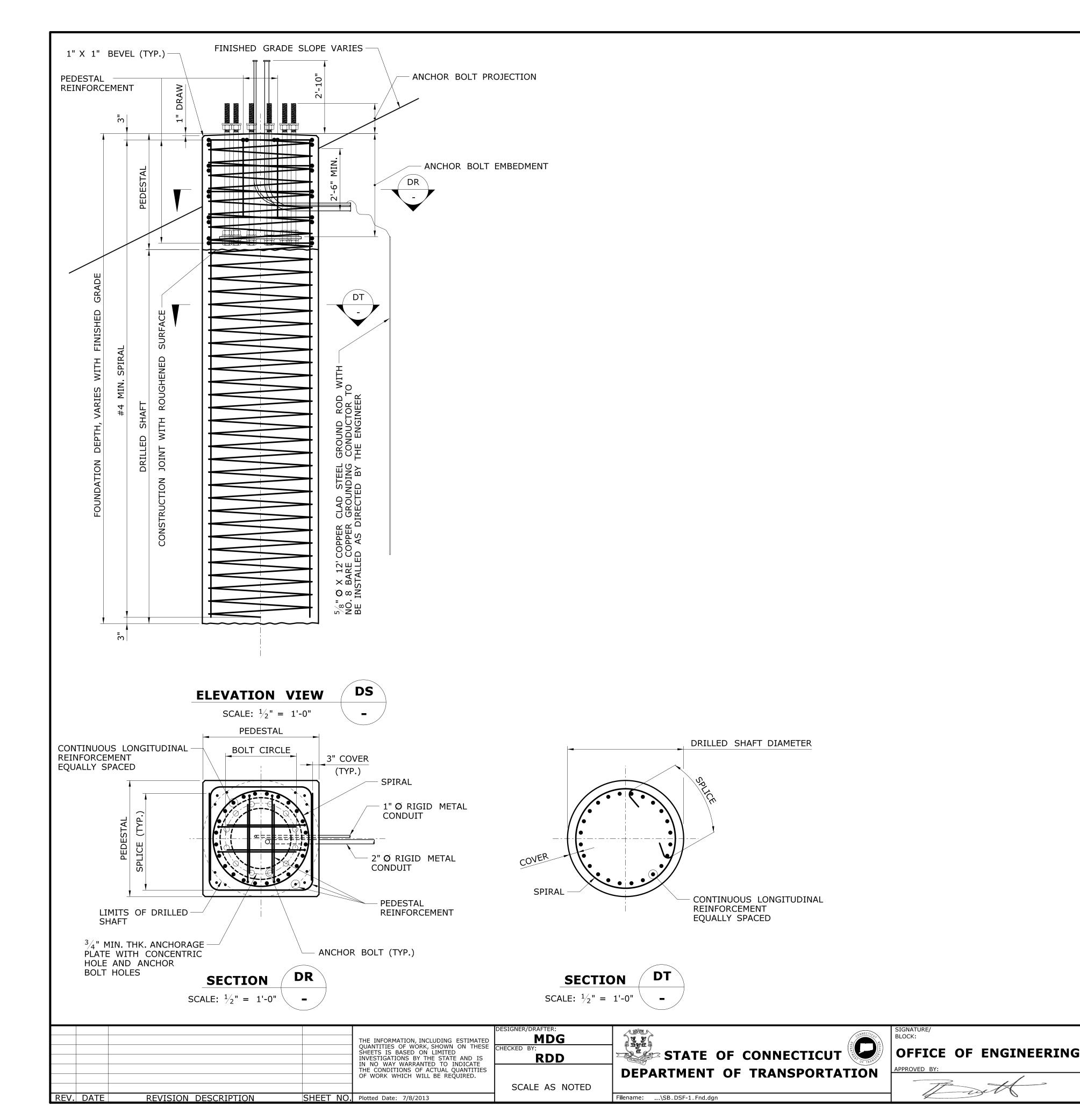
SHEETS IS BASED ON LIMITED TO INJUSTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INJUST AND IS INJUST AND	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE	MDG	CONNECTICO	SIGNATURE/ BLOCK:	REPLACEMENT OF	TOWN:	172-388
SCALE AS NOTED  SCALE AS NOTED  ON I-395  PANEL MANUFACTURING  04.15	SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	RDD	OF TRA			DRAWING TITLE:	S-15
	REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/8/2013	SCALE AS NOTED		Thesett	ON I-395	PANEL MANUFACTURING	SHEET NO. <b>04.15</b>











#### FOUNDATION NOTES

THE DRILLED SHAFT FOUNDATION SHALL BE DESIGNED, FABRICATED, AND CONSTRUCTED BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIAL PROVISION "DRILLED SHAFT TRAFFIC STRUCTURE FOUNDATION".

FOR THE DESIGN OF THE DRILLED SHAFT FOUNDATION, THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE SUBSURFACE CONDITIONS (CHARACTER OF THE SOIL AND ROCK, PRESENCE OF GROUND WATER, ETC.) IN THE LOCATION OF, ADJACENT TO AND BELOW THE SHAFT EXCAVATION. SOIL BORINGS, IF AVAILABLE, ARE INCLUDED WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR MAY OBTAIN SUBSURFACE INFORMATION AT HIS OWN EXPENSE.

THE DESIGN OF THE FOUNDATION SHALL BE COORDINATED WITH THE SIGN SUPPORT AND THE SUPPORT ANCHORAGE TO ENSURE THAT THE FOUNDATION IS ADEQUATE FOR THE SUPPORT REACTIONS AND TO AVOID CONFLICTS BETWEEN THE EMBEDDED SUPPORT ANCHORAGE AND THE FOUNDATION REINFORCEMENT.

THE SIGN SUPPORT SHALL NOT BE INSTALLED UNTIL BOTH THE PEDESTAL CONCRETE AND SHAFT CONCRETE HAVE REACHED THE DESIGN COMPRESSIVE STRENGTH,  $f_c$ , OF 4,000 PSI AT 28 DAYS.

ADDITIONAL RIGID METAL CONDUITS SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.

ALL EMPTY RIGID METAL CONDUITS SHALL BE CAPPED.

THE RIGID METAL CONDUIT SWEEPS SHALL EXTEND A MINIMUM 2'-0" FROM THE SIDE OF THE FOUNDATION.

THE NO. 8 AWG BARE COPPER CONDUCTOR SHALL BE CONNECTED TO THE EXTERNAL GROUND ROD USING A GROUNDING CLAMP APPROVED FOR DIRECT BURIAL.

THE COST OF FOUNDATION EXCAVATION, REINFORCEMENT AND CONCRETE, INCLUDING THE DESIGN AND FABRICATION, SHALL BE PAID FOR UNDER THE ITEM "DRILLED SHAFT TRAFFIC STRUCTURE FOUNDATION".

REPLACEMENT OF HIGHWAY SIGNING ON I-395 VARIOUS

WING TITLE:

PTI I ED CHAET DETATION

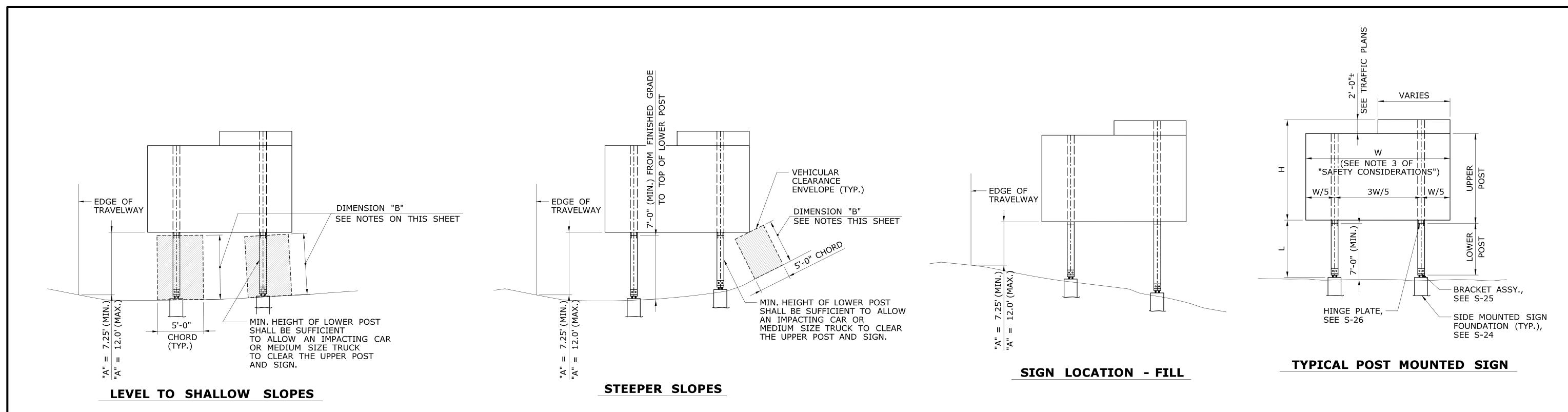
172-388

DRAWING NO.

S-20

04.20

DRILLED SHAFT DETAILS



#### SIGN LOCATION - CUT

#### **NOTES FOR DETERMINING DIMENSION "B"**

- 1. DIMENSION "B" IS THE SMALLER OF:
  - THE CLEAR DISTANCE BETWEEN THE BOTTOM OF SIGN AND

  - THE FINISHED GRADE.
    THE CLEAR DISTANCE BETWEEN THE BOTTOM OF UPPER POST AND THE FINISHED GRADE.
- 2. DIMENSION "B" SHALL TYPICALLY BE A MINIMUM OF 7'-0" TO CLEAR AN IMPACTING CAR OR MEDIUM SIZE TRUCK.
- 3. WHEN DIMENSION "A" WOULD EXCEED 12'-0", CONSIDERATION MAY BE GIVEN TO REDUCING DIMENSION "B" IN ACCORDANCE WITH PROVISIONS OF NOTE 3.
- 4. DIMENSION "B" MAY BE LESS THAN 7'-0":
  - A. IF THE POST IS OUT OF THE CLEAR ZONE. B. IF THE POST IS WITHIN THE CLEAR ZONE BUT SHIELDED BY
  - AN APPROPRIATE BARRIER SYSTEM.
  - C. IN NO CASE SHALL DIMENSION "B" BE LESS THAN 2'-6".
- 5. IF FIELD CONDITIONS EXCEED THESE REQUIREMENTS, CONTACT THE ENGINEER FOR DIRECTION.

#### NOTES ON TOTAL HEIGHT OF SIGN POSTS

- 1. UPPER SIGN POSTS SHALL EXTEND TO THE TOP OF FULL WIDTH SIGN PANEL OR THE TOP OF CROWN, WHICHEVER IS HIGHER.
- 2. FOR SIGN OR CROWN PANEL RETROFIT, THE EXISTING SIGN POSTS SHALL BE REPLACED WITH NEW POSTS OR EXTENDED WITH ADDITIONAL SECTIONS USING HINGE ASSEMBLIES, REFER TO TRAFFIC TYPICAL SHEETS "EXTRUDED SIGN PANEL - RETROFIT DETAIL".

#### SAFETY CONSIDERATIONS

- 1. THE HINGE BETWEEN THE UPPER AND LOWER POSTS SHALL BE AT LEAST 7 FT. ABOVE THE GROUND.
- 2. NO SUPPLEMENTARY SIGNS SHALL BE ATTACHED BELOW THE HINGES.
- 3. THE POST SPACING SHALL BE 3/5 W EXCEPT AS NOTED BELOW:

UNIT WEIGHT OF POST

POST SPACING REQUIREMENTS

LESS THAN 17 PLF FROM 17 PLF TO 44 PLF NO RESTRICTIONS ON POST SPACING \*\*

PROVIDE AT LEAST 7 FT. CLEAR DISTANCE BETWEEN POSTS \*\*\*

EXCEEDS 44 PLF

RELOCATE SIGN OUTSIDE OF CLEAR ZONE OR SHIELD SIGN FROM VEHICULAR IMPACT AS DIRECTED BY THE ENGINEER

\*\*IF THE TOTAL COMBINED WEIGHT OF ONE LOWER POST AND TWO BRACKETS EXCEEDS 600 LBS OR THE COMBINED WEIGHT OF TWO POSTS AND FOUR BRACKETS LOCATED WITHIN A CLEAR DISTANCE OF 7 FT OF EACH OTHER EXCEEDS 600 LBS, THE SIGN SHALL BE RELOCATED OUTSIDE OF THE CLEAR ZONE OR SHALL BE PROPERLY SHIELDED FROM VEHICULAR IMPACT AS DIRECTED BY THE ENGINEER. SEE "TABLE 1 - BRACKET DATA" ON S-25 FOR BRACKET WEIGHT.

\*\*\* IF THE REQUIRED CLEAR DISTANCE CANNOT BE ATTAINED, THE ENGINEER MAY DIRECT THAT THE SIGN BE RELOCATED OUTSIDE THE CLEAR ZONE OR THAT IT BE PROPERLY SHIELDED FROM VEHICULAR IMPACT.

#### BREAKAWAY SIGN SUPPORT TYPICAL SHEETS ARE IN US CUSTOMARY UNITS

FOR METRIC PROJECTS: 1. DETERMINE US CUSTOMARY POST SIZE FROM THE

POST SELECTION TABLE. 2. CALCULATE THE WEIGHT OF POSTS IN US CUSTOMARY UNITS (CWT) THEN USE THE FOLLOWING CONVERSION FACTOR TO CONVERT CWT TO KILOGRAMS.

1 CWT = 45.36 KG

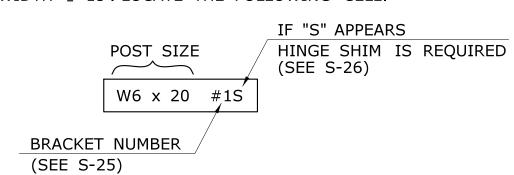
EXAMPLE: 120 CWT x 45.36 KG/CWT = 5443 KG

#### SELECTION A POST SIZE, BRACKET NUMBER, AND HINGE TYPE

- 1. DETERMINE THE REQUIRED SIGN DIMENSIONS AND POST HEIGHTS (SEE "TYPICAL POST MOUNTED SIGN" DETAIL, THIS SHEET).
  - SIGN WIDTH (HORIZONTAL DIMENSION)
  - SIGN HEIGHT (VERTICAL DIMENSION) (ADD CROWN HEIGHT WHEN APPLICABLE)
    - POST HEIGHT (THE DISTANCE BETWEEN THE TOP OF THE FOUNDATION AND THE BOTTOM OF THE SIGN MEASURED AT THE TALLER POST)
- 2. ENTER "POST SELECTION TABLE 1 AND 2" ON S-22 AND S-23 WITH THE DESIRED VALUES OF W, H, AND L. ROUND UP TO THE NEAREST VALUES IN THE TABLE. READ THE CORRESPONDING POST SIZE AND BRACKET NUMBER. REFER TO S-25 FOR BRACKET TYPE AND S-26 TYPICAL HINGE REQUIREMENTS.

EXAMPLE: W = 8', L = 10', H = 14'

ENTER "POST SELECTION TABLE 1" ON S-22 SINCE TABLE 1 IS APPLICABLE FOR SIGN WIDTH < 15' LOCATE THE FOLLOWING CELL:



3. IF NO POST SIZE IS SHOWN FOR THE COMBINATION OF DIMENSIONS W, L, AND H, THE ENGINEER WILL EITHER PROVIDE A DESIGN FOR THE POST AND FOUNDATION OR RELOCATE THE SIGN.

STATE OF CONNECTICUT  SHEET IS BASED ON LIMITED AND IS IN NO. WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.  SAME IS BASED ON LIMITED AND IS IN NO. WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.  DEPARTMENT OF TRANSPORTATION  ON I-395  OFFICE OF ENGINEERING  APPROVED BY:  DRAWING TITLE:  BREAKAWAY SIGN SUPPORTS  SCALE AS NOTED.	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE	DESIGNER/DRAFTER: <b>BKC</b> CHECKED BY:	CONNECTICITY OF THE PROPERTY O	SIGNATURE/ BLOCK:	PROJECT TITLE:  REPLACEMENT OF	TOWN:	PROJECT NO. <b>172-388</b>
ON I-395  BREAKAWAY SIGN SUPPORTS  SCALE AS NOTED	SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	JRH	TRANSPORTER	OFFICE OF ENGINEERING  APPROVED BY:		VARIOUS  DRAWING TITLE:	TRAWING NO.  S-21
GENERAL NOTES U4,	OF WORK WHICH WILL BE REQUIRED.	SCALE AS NOTED	DEPARTMENT OF TRANSPORTATION	Thust	ON I-395	BREAKAWAY SIGN SUPPORTS GENERAL NOTES	SHEET NO. <b>04.21</b>

#### POST SELECTION TABLE 1

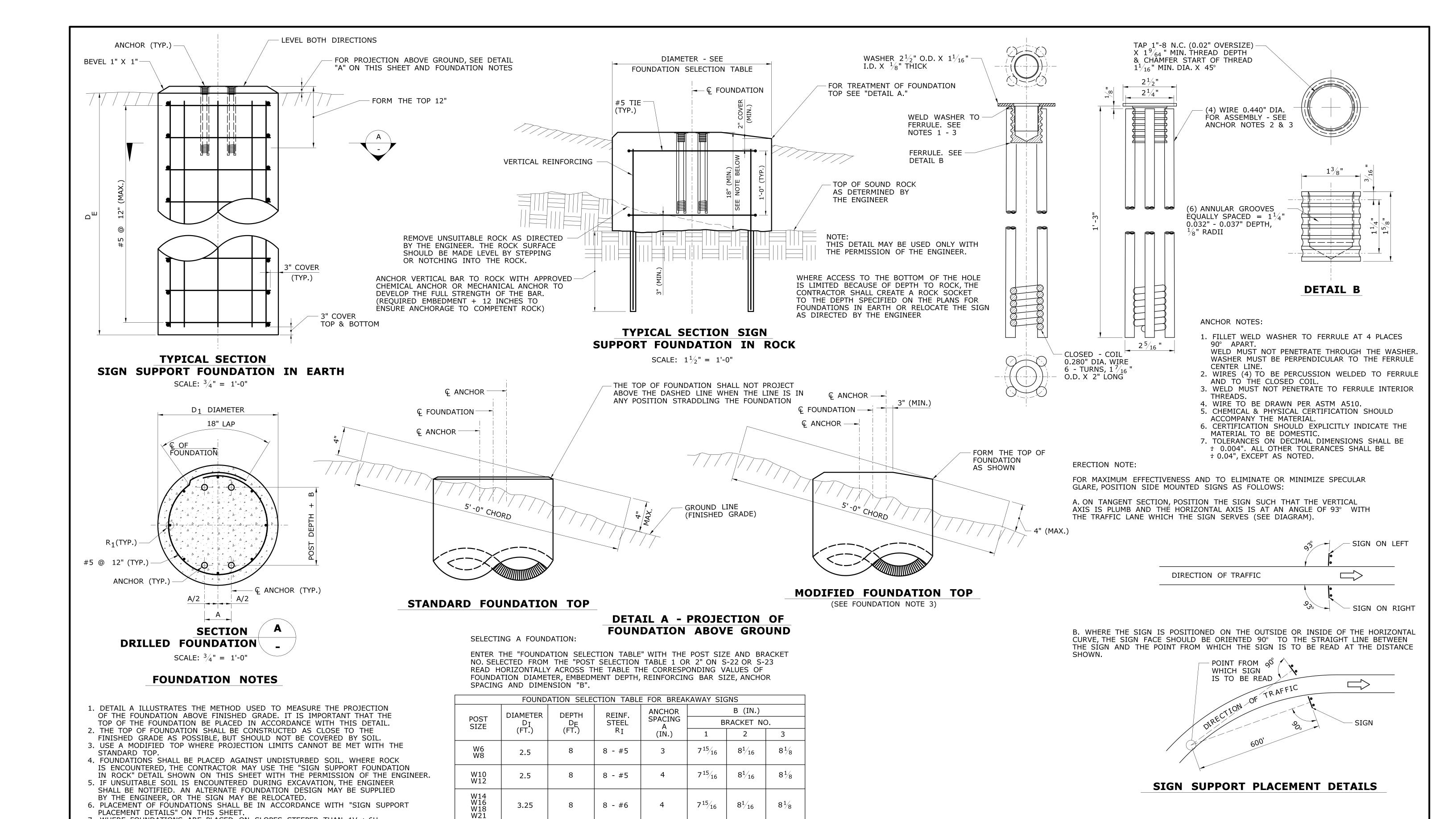
101	.									H (Si	gn Height + Cro	wn Height)								
W	L	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	16 ft	17 ft	18 ft	19 ft	20 ft	21 ft	22 ft
	7 ft	W6 x 9 #3	W6 x 9 #3	W6 x 9 #2	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1S	W6 x 16 #1S	W8 x 18 #2S	W8 x 21 #1S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #1S	W10 x 26 #1S
	8 ft	W6 x 9 #2	W6 x 9 #2	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W6 x 16 #1S	W8 x 18 #1	W8 x 21 #1S	W8 x 21 #1S	W10 x 22 #2	W10 x 26 #1	W10 x 26 #1	W10 x 26 #1S	W10 x 30 #1S
<u> </u>	9 ft	W6 x 9 #2	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W6 x 16 #1	W8 x 18 #1	W6 x 20 #1S	W8 x 21 #1S	W8 x 21 #1S	W10 x 26 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1S	W12 x 30 #1
F	10 ft	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1S	W6 x 20 #1S	W8 x 21 #1S	W10 x 26 #1	W10 x 26 #1	W10 x 26 #1	-	-	-
8 ft	11 ft	W6 x 9 #2	W6 x 9 #2 W6 x 12 #1	W6 x 12 #1 W6 x 12 #1	W6 x 12 #1 W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1 W6 x 20 #1	W6 x 20 #1S W6 x 20 #1S	W8 x 21 #1	-	-	-	-	-	-	-
-	1∠ π 12 ft	W6 x 9 #2 W6 x 12 #1	W6 x 12 #1	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W8 x 18 #1	W8 x 18 #1 W8 x 18 #1	W6 x 20 #1 W6 x 20 #1	W6 x 20 #1	- VVO X ZU #15	-	-	-	-	-	-	-	-
F	1/1 ft	W6 x 12 #1	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W6 x 16 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	-	-	_	_	_	-	_	_	-	-
<u> </u>	15 ft	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	-		-	_	_	_	_	_	_	_	_	-	_
	16 ft	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7 ft	W6 x 9 #3	W6 x 9 #3	W6 x 9 #2	W6 x 9 #2	W8 x 10 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1S	W6 x 15 #1S	W8 x 18 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2S	W10 x 26 #1S	W12 x 30 #2S
	8 ft	W6 x 9 #2	W6 x 9 #2	W6 x 9 #2	W8 x 10 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1S	W8 x 18 #2	W8 x 21 #2S	W8 x 21 #1S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #1	W10 x 26 #1S	W12 x 30 #2	W12 x 30 #2S
	9 ft	W6 x 9 #2	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1S	W8 x 21 #1S	W8 x 21 #1S	W10 x 26 #2	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1S	W12 x 30 #1	-
	10 ft	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1S	W6 x 20 #1S	W8 x 21 #1S	W10 x 26 #1	W10 x 26 #1	W10 x 26 #1	-	-	-	-
9 ft -	11 ft	W6 x 9 #2	W6 x 12 #2	W6 x 12 #1	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W8 x 18 #1	W6 x 20 #1S	W8 x 21 #1	-	-	-	-	-	-	-	-
F	12 π	W6 x 9 #2 W6 x 12 #1	W6 x 12 #1 W6 x 12 #1	W6 x 12 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 16 #1	W8 x 18 #1 W8 x 18 #1	W8 x 18 #1 W6 x 20 #1	W6 x 20 #1 W6 x 20 #1	W6 x 20 #1S	-	-	-	-	-	-	-	-	-
	13 IL 1/1 ft	W6 x 12 #1	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W6 x 20 #1	<u> </u>	-		-	-	-	-		-	-
	15 ft	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	-	-		-	<del>-</del>	-	_	-	_	_	_	_	-	_
	16 ft	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-
	7 ft	W6 x 9 #3	W6 x 9 #3	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1S	W8 x 18 #2	W8 x 18 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2S	W10 x 26 #2S	W12 x 30 #2S	W14 x 30 #2S
	8 ft	W6 x 9 #2	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W8 x 18 #2S	W8 x 21 #1S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W10 x 26 #1S	W12 x 30 #2	W14 x 30 #2	-
	9 ft	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W8 x 18 #1	W6 x 20 #1S	W8 x 21 #1S	W10 x 26 #2	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1S	W12 x 30 #2	-	-
L	10 ft	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W6 x 16 #1	W8 x 18 #1	W6 x 20 #1S	W8 x 21 #1S	W10 x 26 #2	W10 x 26 #1	W10 x 26 #1	-	-	-	-	-
10 ft	11 ft	W6 x 9 #2 W6 x 12 #2	W6 x 12 #2 W6 x 12 #1	W6 x 12 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 16 #1	W8 x 18 #1 W6 x 20 #1	W6 x 20 #1 W6 x 20 #1	W6 x 20 #1S W10 x 22 #1	W8 x 24 #1S	-	-	<del>-</del>	-	-	<u>-</u>	-	-
-	1∠ Π 13 ft	W6 x 12 #2	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W8 x 18 #1 W6 x 20 #1	W6 x 20 #1	W8 x 20 #1	VVIUXZZ #1		<del>-</del>	<del>-</del>	-	-	-	-		-
F	1/1 ft	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W6 x 20 #1	-		_		_		_		_	_	_
	15 ft	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 16 #1	W8 x 18 #1	-	-		-		-	_	_	-	_	_	_	-	-
	16 ft	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7 ft	W6 x 9 #3	W6 x 9 #3	W6 x 9 #2	W8 x 10 #3	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S	W6 x 15 #1S	W8 x 18 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2S	W12 x 26 #2S	W14 x 30 #2S	W16 x 36 #2S
	8 ft	W6 x 9 #2	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1S	W8 x 18 #2	W8 x 21 #2S	W8 x 21 #1S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2S	W12 x 30 #2	W14 x 30 #2	-	-
_	9 ft	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1S	W8 x 21 #1S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #1	W10 x 26 #1S	W12 x 30 #2	-	-	-
_	10 ft	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1S	W6 x 20 #1S	W8 x 21 #1S	W10 x 26 #2	W10 x 26 #1	W10 x 26 #1	-	-	-	-	-
11 ft	11 ft	W6 x 9 #2	W6 x 12 #2	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1 W6 x 20 #1	W6 x 20 #1S	W8 x 21 #1	-	-	-	-	-	-	-	-	-
-	1∠ π 12 ft	W6 x 12 #2 W6 x 12 #1	W6 x 12 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W8 x 18 #1	W8 x 18 #1 W8 x 18 #1	W6 x 20 #1 W6 x 20 #1	W6 x 20 #1	W8 x 21 #1	<u> </u>	-	-	-	-	-	-	-	-	-
	12 ft	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1		_		-				-		_	-	-
	15 ft	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	-	-	-	-	-	-	-	_	_	_	_	_	_	_	-
	16 ft	W6 x 15 #1	W6 x 15 #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7 ft	W6 x 9 #3	W6 x 9 #3	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S	W8 x 18 #2S	W8 x 18 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2S	W12 x 26 #2S	W14 x 30 #2S	W18 x 35 #2	W18 x 40 #2
	8 ft	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1	W8 x 18 #2	W8 x 18 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #2	-	-
	9 ft	W6 x 9 #2	W8 x 10 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1	W8 x 18 #2	W8 x 18 #2	W8 x 21 #1S	W8 x 21 #1S	W10 x 26 #2	W10 x 26 #2	W10 x 26 #1	W12 x 30 #2	-	-	-	-
-	10 ft	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W8 x 18 #1	W6 x 20 #1S	W8 x 21 #1S	W10 x 26 #2	W10 x 26 #1	W10 x 26 #1	-	-	-	-	-	-
12 ft -	11 π 12 <del>ft</del>	W6 x 12 #2 W6 x 12 #2	W6 x 12 #2 W6 x 12 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W6 x 16 #1 W8 x 18 #1	W8 x 18 #1 W6 x 20 #1	W6 x 20 #1 W6 x 20 #1	W8 x 21 #1	-	-	-	-	-	-	-	-	-	-
-	1∠ IL 13 ft	W6 x 12 #2	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	VVO X 20 #1	_	<del>-</del>	-	-	-		-	-	_	-	_
<u> </u>	14 ft	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W6 x 20 #1	_	-	_	_	_	_	_	_	_	_	_	_
	15 ft	W6 x 15 #1	W6 x 15 #1	W6 x 16 #1	W8 x 18 #1	-	-	-	-	-		-	_	-	-	_	_	-	-	-
	16 ft	W6 x 15 #1	W6 x 15 #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7 ft	W6 x 9 #3	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S	W6 x 15 #2S	W8 x 18 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2S	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W18 x 40 #2	W21 x 44 #3
	8 ft	W6 x 9 #2	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1S	W8 x 18 #2	W8 x 21 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2S		W14 x 34 #2	W18 x 40 #2	W21 x 44 #3	W21 x 44 #3
_	9 ft	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1S	W8 x 21 #1S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W14 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #2	-
-	10 ft	W6 x 9 #2 W6 x 12 #2	W6 x 12 #2 W6 x 12 #2	W6 x 12 #2 W6 x 15 #1	W6 x 15 #2	W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W8 x 18 #2	W8 x 18 #2 W6 x 20 #1	W6 x 20 #1S W6 x 20 #1S	W8 x 21 #1	W10 x 22 #2 W10 x 26 #2	W10 x 26 #2 W10 x 26 #1	W10 x 26 #1 W10 x 30 #1	W12 x 30 #2 W12 x 30 #2	W14 x 30 #2 W14 x 34 #2	W16 x 36 #2 W18 x 40 #2	W18 x 40 #2 W21 x 44 #2	W21 x 44 #2	-	-
13 ft -	11 IT 12 ft	W6 x 12 #2	W6 x 12 #2	W6 x 15 #1	W6 x 15 #1 W6 x 15 #1	W8 x 15 #1	W6 x 20 #1	W6 x 20 #1	W8 x 20 #15	W8 x 21 #1 W10 x 26 #1	W10 x 26 #2	W10 x 26 #1	W10 x 30 #1	W14 x 34 #2	W16 x 36 #2	W18 x 40 #2	VV∠IX <del>44</del> #∠  -	-	-	-
-	13 ft	W6 x 12 #1	W6 x 15 #1	W6 x 15 #1	W6 x 16 #1	W8 x 18 #1	W6 x 20 #1	W8 x 21 #1	W10 x 26 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #2	W16 x 36 #2	W18 x 40 #2	-	_	-	-	_
	14 ft	W6 x 15 #1		W6 x 15 #1		W6 x 20 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W14 x 34 #1	W16 x 40 #2	-	-	-	-	-	-
	15 ft	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W10 x 30 #1	W14 x 34 #1	-	-	-	-	-	-	-	-
	16 ft			W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 30 #1	W10 x 30 #1	W14 x 34 #1	W14 x 34 #1	-	-	-	-	-	-	-	-
<u> </u>	7 ft	W6 x 9 #3		W8 x 10 #3	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S	W8 x 18 #2	W8 x 18 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2			W14 x 30 #2S	W18 x 35 #3	W21 x 44 #3	-
	8 ft	W6 x 9 #2		W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W8 x 18 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2		W14 x 30 #2	W18 x 35 #2	W18 x 40 #2	W21 x 44 #3	-
-	9 ft	W6 x 9 #2 W6 x 12 #2		W6 x 12 #2 W6 x 15 #2	W6 x 15 #2 W6 x 15 #2	W6 x 15 #2 W6 x 15 #1	W6 x 15 #1 W8 x 18 #2	W8 x 18 #2 W8 x 18 #2	W8 x 18 #2 W6 x 20 #1S	W8 x 21 #2S W8 x 21 #1S	W10 x 22 #2	W10 x 26 #2 W10 x 26 #2	W10 x 26 #2 W10 x 26 #1	W12 x 26 #2 W12 x 30 #2		W16 x 36 #2 W18 x 40 #2	W18 x 40 #2 W21 x 44 #3	W21 x 44 #3	-	-
-	10 IL	W6 x 12 #2		W6 x 15 #2	W6 x 15 #2	W6 x 16 #1	W8 x 18 #2	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W14 x 34 #2	+	W18 x 40 #2	-		-	-
14 ft 📙	12 ft	W6 x 12 #2	W6 x 15 #1	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W10 x 26 #2	W10 x 30 #1	W14 x 34 #2	W16 x 36 #2	W18 x 40 #2	- VV 10 X 40 #2	-	-	-	-
-	13 ft		W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W14 x 34 #2	W18 x 40 #2	-	-	-	_	-	-
	14 ft	W6 x 15 #1	W6 x 15 #1	W6 x 16 #1	W6 x 20 #1	W6 x 20 #1	W8 x 21 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W14 x 34 #2	W16 x 36 #2	W18 x 40 #2	-	-	-	-	-	-
	15 ft	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 30 #1	W10 x 30 #1	W14 x 34 #1	W16 x 36 #2	-	-	-	-	-	-	-	-
	16 ft	W6 x 15 #1		W6 x 20 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W14 x 34 #1	-	-	-	-	-	-	-	-	-
	7 ft	-		W8 x 10 #3		W12 x 14 #3	W6 x 15 #2	W6 x 15 #2S	W6 x 15 #2S	W8 x 18 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2S	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W18 x 40 #3	W21 x 44 #3	-
	8 ft	-		W6 x 12 #2		W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S	W8 x 18 #2	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2		W18 x 35 #3	W18 x 40 #2	W21 x 44 #3	-	-
	9 ft	-		W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1S	W8 x 21 #2S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2		W18 x 40 #2	W21 x 44 #3	-	-	-
	10 ft	-		W6 x 15 #2	W6 x 15 #2	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1S	W8 x 21 #1	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W14 x 30 #2		W18 x 40 #2	W21 x 44 #2	-	-	-
15 ft L	11 ft 12 ft	<del>-</del>		W6 x 15 #1 W6 x 15 #1	W6 x 15 #1 W6 x 16 #1	W8 x 18 #2 W8 x 18 #1	W6 x 20 #1 W6 x 20 #1	W8 x 21 #1 W8 x 21 #1	W10 x 22 #2 W10 x 26 #2	W10 x 26 #2 W10 x 26 #1	W10 x 26 #1 W10 x 30 #1	W10 x 30 #1 W12 x 30 #2	W14 x 30 #2 W14 x 34 #2	W16 x 36 #2 W18 x 40 #2	W18 x 40 #2 W21 x 44 #2	W21 x 44 #2	<u>-</u>	-	-	-
1511	1 / IT	-	W6 x 15 #1	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W8 x 21 #1	W10 x 26 #1	W10 x 26 #2	W10 x 26 #1	W12 x 30 #1	W14 x 34 #2	W16 x 36 #2	W18 x 40 #2	VVZIX 44 #Z	-	-	-	-	-
		_		• • • Λ 10 <del>π</del> 1							W12 x 30 #2	W16 x 36 #2			-	-	-			-
	13 ft	-	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W8 x 24 #1	VV IU X ∠6 #1	VV1U X 25 #1	VV IU X 3U #I I	VV I Z X 30 # I	VV   Q X 3Q #Z	VV18 X 4U #/	-		_	_	-	_	1
		- - -	W6 x 15 #1	W8 x 18 #1 W8 x 18 #1	W6 x 20 #1 W6 x 20 #1	W6 x 20 #1 W8 x 24 #1	W8 x 24 #1 W10 x 26 #1	W10 x 26 #1 W10 x 26 #1	W10 x 26 #1 W10 x 30 #1	W10 x 30 #1 W12 x 30 #1	W14 x 34 #1	-	W18 x 40 #2	-	-	-	-	-	-	-
1311	13 ft 14 ft	- - -	W6 x 15 #1 W6 x 16 #1																	

	DESIGNER/DRAFTER:	OWNECTIC	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
THE INFORMATION, INCLUDING QUANTITIES OF WORK, SHOW SHEETS IS BASED ON LIMIT	ESTIMATED ON THESE CHECKED BY:	STATE OF CONNECTICUT	OFFICE OF ENGINEERING	REPLACEMENT OF	VARIOUS	172-388 DRAWING NO.
INVESTIGATIONS BY THE STATION OF ACTUAL THE CONDITIONS OF ACTUAL	E AND IS NDICATE UANTITIES JRH	DEPARTMENT OF TRANSPORTATION	APPROVED BY:	HIGHWAY SIGNING	DRAWING TITLE:	S-22
OF WORK WHICH WILL BE R	SCALE AS NOTED	DEPARTMENT OF TRANSPORTATION	THE MAN	ON I-395	BREAKAWAY SIGN SUPPORTS	SHEET NO. <b>04.22</b>
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/8/2013		Filename:\SB_Breakaway_Signpost_BSM2_PostSelectionTable_1.dgn	The state of the s		POST SELECTION TABLE 1	

#### **POST SELECTION TABLE 2**

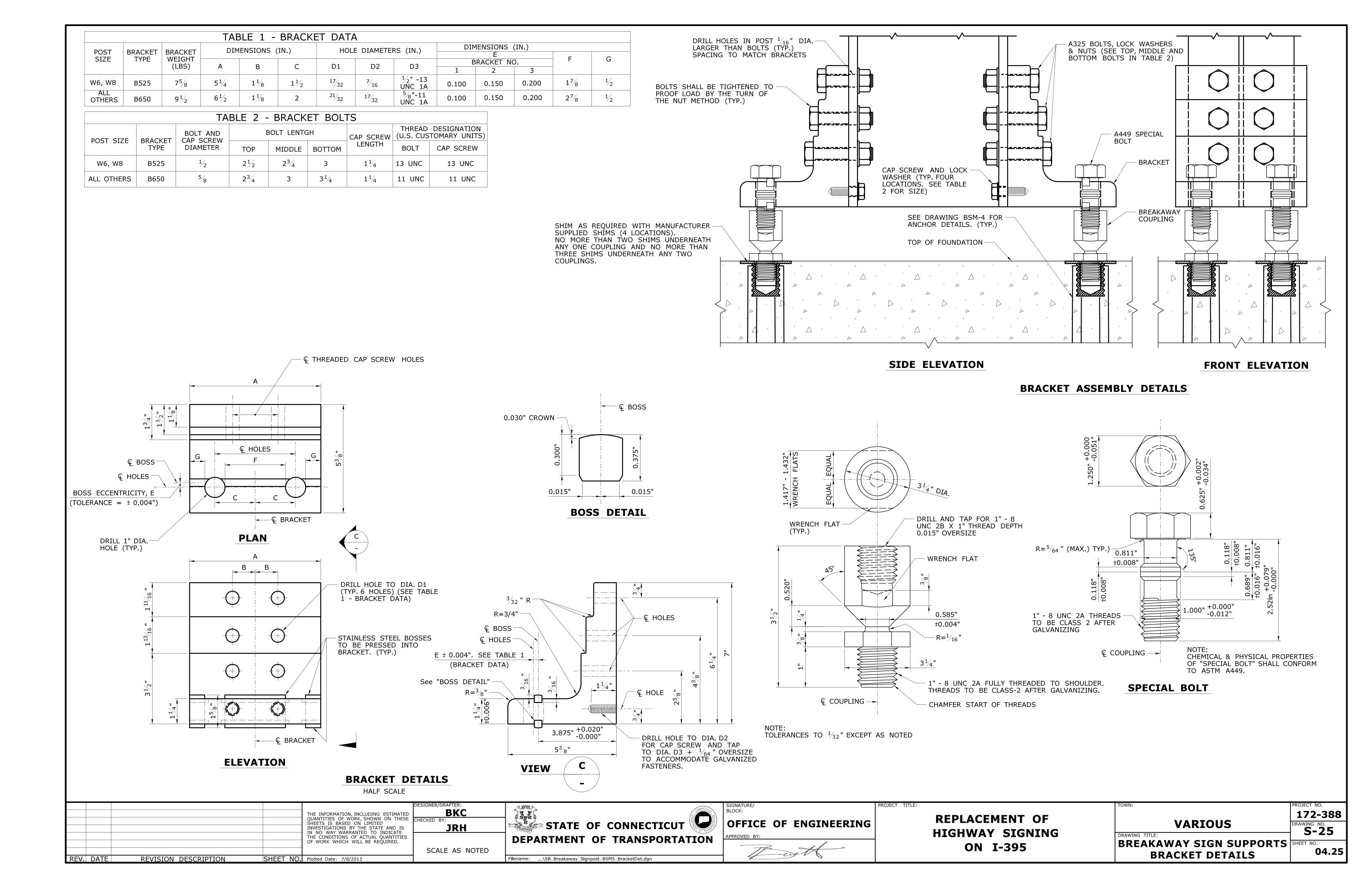
10/										H (Sign H	eight + Crown H	leight)								
W	▎ ┗ ┌	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	16 ft	17 ft	18 ft	19 ft	20 ft	21 ft	22 ft
	7 ft	-	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S	W8 x 18 #2	W8 x 18 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2S	W12 x 26 #2S	W18 x 35 #3	W18 x 35 #3	W21 x 44 #3	-	-
Ţ	8 ft	-	W8 x 10 #3	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2	W6 x 16 #2S	W8 x 18 #2	W8 x 21 #2S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	-	-	-
Ţ	9 ft	-	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2	W6 x 16 #1	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #2	W18 x 40 #2	W21 x 44 #3	-	-	-
Ţ	10 ft	-	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 16 #1	W8 x 18 #2	W8 x 21 #2	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-
16#	11 ft	-	W6 x 15 #2	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W10 x 26 #1	W12 x 30 #2	W14 x 34 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-	-
16 ft	12 ft	-	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W10 x 26 #1	W12 x 30 #2	W14 x 34 #2	W16 x 36 #2	W18 x 40 #2	-	-	-	-	-	-
Ţ	13 ft	-	W6 x 15 #1	W6 x 16 #1	W6 x 20 #1	W6 x 20 #1	W10 x 22 #2	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W14 x 34 #2	W16 x 36 #2	W18 x 40 #2	-	-	-	-	-	-	-
Ţ	14 ft	-	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W8 x 21 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W14 x 34 #2	W18 x 40 #2	-	-	-	-	-	-	-	-
,	15 ft		W8 x 18 #1	W6 x 20 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 30 #1	W10 x 30 #1	W14 x 34 #2	W16 x 36 #2	-	-	-	-	-	-	-	-	
	16 ft	-	W8 x 18 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W14 x 34 #1	-	-	-	-	-	-	-	-	-	-
,	7 ft	-	W6 x 9 #2	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S	W8 x 18 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2S	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	-	-	_
	8 ft	-	W6 x 12 #2	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W18 x 40 #3	W21 x 44 #3	-	-	-
	9 ft	-	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W6 x 20 #1S	W8 x 21 #2S	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W14 x 30 #2	W18 x 35 #3	W18 x 40 #2	W21 x 44 #3	-	-	-	-
,	10 ft	-	W6 x 12 #2	W6 x 15 #2	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W14 x 34 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-	-
17 ft	11 ft	-	W6 x 15 #2	W6 x 15 #1	W6 x 16 #1	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W14 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-	-
	12 ft	-	W6 x 15 #1	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W10 x 30 #1	W14 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #2	-	-	-	-	-	-
,	13 ft	-	W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #1	W10 x 26 #1	W12 x 30 #2	W14 x 34 #2	W18 x 40 #2	W21 x 44 #2	-	-	-	-	-	-	-
,	14 ft		W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 26 #1	W12 x 30 #2	W14 x 34 #2	W16 x 36 #2	W18 x 40 #2	-	-	-	-	-	-	-	
,	15 ft	<u>-</u>	W8 x 18 #1	W6 x 20 #1	W8 x 21 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W16 x 36 #2	-	-	-	-	-	-	-	-	-	<u>-</u>
	16 ft	-	W6 x 20 #1	W6 x 20 #1 W6 x 12 #2	W8 x 24 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1 W6 x 15 #2S	W14 x 34 #1 W8 x 18 #2S	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	- W14 x 30 #2	- W18 x 35 #3	\\\/18 \times 35 #3	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-	-	-
1	7 ft	-	W8 x 10 #3	W6 x 12 #2	W12 x 14 #3	W6 x 15 #2 W6 x 15 #2	W6 x 15 #2S		W8 x 18 #2S	W8 x 21 #2S W10 x 22 #2	W10 x 22 #2 W10 x 26 #2	W10 x 26 #2 W10 x 26 #2	W12 x 26 #2 W12 x 26 #2	W14 x 30 #2 W18 x 35 #3	W18 x 35 #3	W18 x 35 #3	W21 x 44 #3	-	-	-
	8 ft	-	W6 x 12 #2 W6 x 12 #2	W6 x 12 #2 W6 x 15 #2	W6 x 15 #2 W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S W8 x 18 #2	W8 x 18 #2 W8 x 21 #2	W10 x 22 #2	W10 x 22 #2 W10 x 26 #2	W10 x 26 #2	W10 x 26 #2 W12 x 26 #2	W12 x 26 #2 W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	W21 x 44 #3	-	-	-	<u>-</u>
	9 ft 10 ft		W6 x 15 #2	W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W8 x 21 #2	W8 x 21 #2	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #2	W18 x 40 #2	W21 x 44 #3	-	<u>-</u>	-	-	<u>-</u>
	10 ft		W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W6 x 20 #1	W8 x 21 #2	W10 x 26 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #3	_ VVZIA 44 #3	-		<del>-</del> -	-	
18 ft	12 ft	<u>-</u>	W6 x 15 #2	W6 x 15 #1	W8 x 18 #2	W8 x 21 #1	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W14 x 34 #2	W18 x 40 #2	W21 x 44 #3	VVZ1X 44 #3		-	_	-	-	
}	13 ft		W6 x 15 #1	W8 x 18 #1	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #1	W10 x 30 #1	W14 x 34 #2	W16 x 36 #2	W18 x 40 #2	-	_	_	_	_	_	_	
}	14 ft	_	W6 x 16 #1	W6 x 20 #1	W6 x 20 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #2	W16 x 36 #2	W18 x 40 #2	-	_	_	_	_	_	_	_	
}	15 ft	_	W8 x 18 #1	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 26 #1	W12 x 30 #1	W14 x 34 #2	W16 x 36 #2	-	_	_	_	_	_	_	_	_	_
<b> </b>	16 ft	_	W6 x 20 #1	W6 x 20 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W16 x 36 #2	-	_	_	_	_	_	_	_	_	_	_
	7 ft	_	-	W6 x 12 #2	W12 x 14 #3	W6 x 15 #2	W6 x 15 #2S	W8 x 18 #2	W8 x 18 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	-	-	-	_
	8 ft	-	-	W12 x 14 #3	W6 x 15 #2	W6 x 15 #2	W6 x 16 #2S	W8 x 18 #2	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	W21 x 44 #3	-	-	-	_
	9 ft	-	-	W6 x 15 #2	W6 x 15 #2	W6 x 16 #2	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W18 x 35 #3	W21 x 44 #3	-	-	-	-	-
	10 ft	-	-	W6 x 15 #2	W6 x 15 #1	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W18 x 35 #3	W18 x 40 #3	W21 x 44 #3	-	-	-	-	-	_
10 #	11 ft	-	-	W6 x 15 #1	W8 x 18 #2	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W16 x 36 #2	W21 x 44 #3	-	-	-	-	-	-	-
19 ft	12 ft	-	-	W8 x 18 #2	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W10 x 26 #1	W14 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-	-	-	_
Ţ	13 ft	-	-	W8 x 18 #1	W6 x 20 #1	W10 x 22 #2	W10 x 26 #2	W10 x 26 #1	W12 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #2	-	-	-	-	-	-	-	-
Ţ	14 ft	-	-	W6 x 20 #1	W8 x 21 #1	W10 x 26 #1	W10 x 26 #1	W12 x 30 #2	W14 x 34 #2	W16 x 36 #2	-	-	-	-	-	-	-	-	-	-
Ţ	15 ft	-	-	W6 x 20 #1	W8 x 24 #1	W10 x 26 #1	W10 x 30 #1	W12 x 30 #1	W16 x 36 #2	-	-	-	-	-	-	-	-	-	-	-
	16 ft	-	-	W6 x 20 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W14 x 34 #2	-	-	-	-	-	-	-	-	-	-	-	
,	7 ft	-	-	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2S	W8 x 18 #2S	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W12 x 26 #2	W14 x 30 #3	W16 x 31 #3	W18 x 35 #3	W21 x 44 #3	-	-	-	-
,	8 ft	-	-	W6 x 15 #2	W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W8 x 21 #2S	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W18 x 35 #3	W18 x 35 #3	W21 x 44 #3	-	-	-	-	-
	9 ft	-	-	W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 34 #2	W18 x 35 #3	W21 x 44 #3	-	-	-	-	-	-
	10 ft	-	-	W6 x 15 #2	W6 x 16 #1	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	W21 x 44 #3	-	-	-	-	-	-
20 ft	11 ft	-	-	W6 x 15 #1	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W18 x 35 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-	-	-	_
	12 ft	-	-	W8 x 18 #2	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W14 x 30 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-	-	-	-	-
	13 ft	-	-	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W10 x 30 #1	W14 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #2	-	-	-	-	-	-	-	
	14 ft		-	W6 x 20 #1	W8 x 21 #1	W10 x 26 #1	W10 x 26 #1	W12 x 30 #2	W16 x 36 #2	W18 x 40 #2	-	-	-	-	-	-	-	-	-	
	15 ft		-	W6 x 20 #1	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W14 x 34 #2	W16 x 36 #2	-	-	-	-	-	-	-	-	-	-	
	16 ft	-		W8 x 24 #1 W6 x 12 #2	W10 x 26 #1 W6 x 15 #2	W10 x 30 #1 W6 x 15 #2	W12 x 30 #1 W6 x 16 #2S	W16 x 36 #2 W8 x 18 #2S	- W10 x 22 #2	- W10 x 22 #2	- W10 x 26 #2	W12 x 26 #2	- W16 x 31 #3	- W18 x 35 #3	- W21 x 44 #3	-	-	-	-	<u>-</u>
1	7 ft	<del>-</del>	-	W6 x 12 #2	W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W8 x 21 #2S	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	VVZIX 44 #3	-	<u>-</u>		-	
	8 ft 9 ft	<u>-</u>	-	W6 x 15 #2	W6 x 15 #2	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W18 x 35 #3	W21 x 44 #3	-	-		-		
	10 ft		<del>-</del>	W6 x 15 #2	W8 x 18 #2	W6 x 20 #1	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W18 x 35 #3	W18 x 35 #3	W21 x 44 #3	VVZ1X 44 #3	-	-		-	-	
}	10 ft		<del>-</del>	W6 x 15 #2	W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W16 x 40 #2	W21 x 44 #3	_ vv21 \ ¬¬ #0	-	-	-			-	
21 ft	12 ft		-	W8 x 18 #2	W6 x 20 #1	W10 x 22 #2	W10 x 26 #2	W10 x 26 #2	W14 x 30 #2	W16 x 36 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-	_	_	_	
1	13 ft		-	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #2	W12 x 30 #2	W14 x 34 #2	W18 x 40 #2	W21 x 44 #3	-	-	_	_	-	_	-		
1	14 ft	_	-	W6 x 20 #1	W10 x 26 #2	W10 x 26 #2	W10 x 30 #1	W14 x 34 #2	W16 x 36 #2		-	_	_	_	_	_	_	_ +	_	
1	15 ft	-	-		W10 x 26 #1	W10 x 26 #1	W12 x 30 #2	W16 x 36 #2	-	_	_	_	-	_	_	_	_	_	_	_
1	16 ft	-	-		W10 x 26 #1	W10 x 30 #1	W14 x 34 #2	W16 x 36 #2	_	_	_	_	_	-	-	_	_	_	-	-
	7 ft	_	-	W6 x 12 #2		W6 x 15 #2	W8 x 18 #2	W8 x 18 #2S	W10 x 22 #2	W10 x 22 #2	W12 x 26 #3	W16 x 26 #3	W16 x 31 #3	W18 x 35 #3	W21 x 44 #3	-	-	-	-	_
1	8 ft	-	-	W6 x 15 #2		W6 x 15 #2	W8 x 18 #2	W10 x 22 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2		W18 x 35 #3	W21 x 44 #3	-	-	-	-	-	-
	9 ft	-	-	W6 x 15 #2		W8 x 18 #2	W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	-	-	-	-	-	-	-
	10 ft	_	-	W6 x 15 #2		W8 x 21 #2	W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 35 #3	W21 x 44 #3	-	-	-	-	-	-	-	-
1 00 "	11 ft	-	-	W6 x 16 #1		W8 x 21 #2	W10 x 26 #2	W10 x 26 #2	W12 x 26 #2	W18 x 35 #3	W18 x 40 #3	W21 x 44 #3	-	-	-	-	-	-	-	-
22 ft	12 ft	-	-	W8 x 18 #2		W10 x 22 #2	W10 x 26 #2	W12 x 26 #2	W14 x 30 #2	W18 x 40 #2	W21 x 44 #3	-	-	-	-	-	-	-	-	-
	13 ft	-	-	W6 x 20 #1	W8 x 21 #1	W10 x 26 #2	W10 x 26 #1	W12 x 30 #2	W16 x 36 #2	W18 x 40 #2	-	-	-	-	-	-	-	-	-	-
	14 ft	-	-		W10 x 26 #2	W10 x 26 #1	W12 x 30 #2	W14 x 34 #2	W18 x 40 #2	-	-	-	-	-	-	-	-	- 1	-	-
	15 ft		-	W10 x 22 #1		W10 x 30 #1	W12 x 30 #2	W16 x 36 #2	-	-	-	-	-	-	-	-	-	-	-	-
	16 ft		-	W10 x 26 #1	W10 x 26 #1	W10 x 30 #1	W14 x 34 #2	-	-	-	-	-	-	-	-	-	-	-	-	-

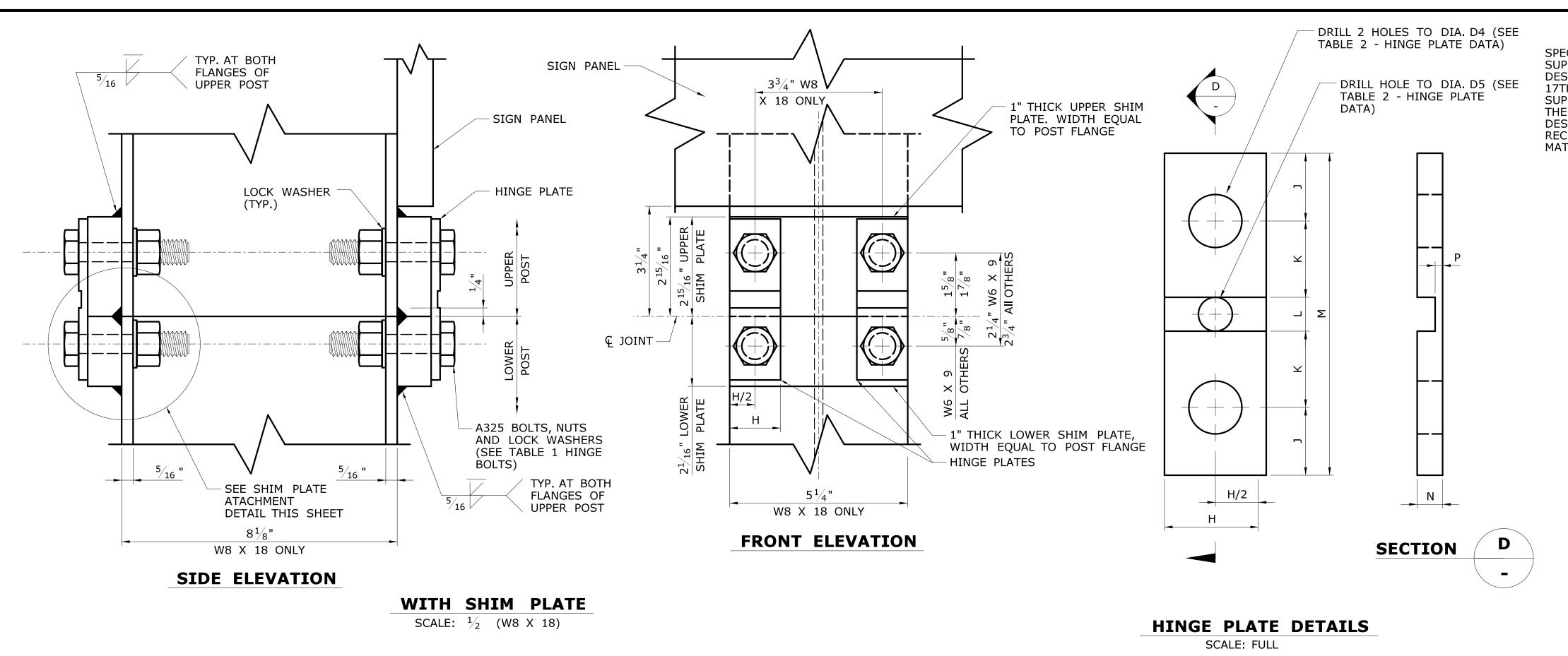
	DESIGNER/DRAFTER:	NECT.	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
THE INFORMATION, INCLUDING ESTIMATED	BKC		BLOCK:	DEDI ACEMENT OF		172-388
QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED	CHECKED BY:	STATE OF CONNECTICUT	OFFICE OF ENGINEERING	REPLACEMENT OF	VARIOUS	DRAWING NO.
INVESTIGATIONS BY THE STATE AND IS  IN NO. WAY WARRANTED TO INDICATE	JRH	STATE OF CONNECTICOT	OTTICE OF ENGINEERING	HIGHWAY SIGNING	VARIOUS	<b>S-23</b>
THE CONDITIONS OF ACTUAL QUANTITIES		DEPARTMENT OF TRANSPORTATION	APPROVED BY:		DRAWING TITLE:	
OF WORK WHICH WILL BE REQUIRED.		DEPARTMENT OF TRANSPORTATION		ON I-395	BREAKAWAY SIGN SUPPORTS	SHEET NO.
	SCALE AS NOTED		The A	ON 1-393		04.23
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/8/2013	7	Filename:\SB_Breakaway_Signpost_BSM3_PostSelectionTable_2.dgn	1 cgc V		POST SELECTION TABLE 2	



	THE INFORMATION, INCLUDING ESTIMATED OUANTITIES OF WORK, SHOWN ON THESE	GNER/DRAFTER: <b>BKC</b> VED. BY:	CONNECTICON DE CONNEC	SIGNATURE/ BLOCK:	REPLACEMENT OF	TOWN:	PROJECT NO. <b>172-388</b>
	SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	JRH	DEPARTMENT OF TRANSPORTATION	OFFICE OF ENGINEERING  APPROVED BY:	HIGHWAY SIGNING	VARIOUS  DRAWING TITLE:	S-24
REV. DATE REVISION DESCRIPTION	OF WORK WHICH WILL BE REQUIRED.  SHEET NO. Plotted Date: 7/8/2013	SCALE AS NOTED	Filename:\SB_Breakaway_Signpost_BSM4_FoundationDet.dgn	Thesett	ON I-395	BREAKAWAY SIGN SUPPORTS FOUNDATION DETAILS	SHEET NO. <b>04.24</b>

7. WHERE FOUNDATIONS ARE PLACED ON SLOPES STEEPER THAN 1V: 6H, GRADE AROUND THE FOUNDATIONS IN CONFORMANCE WITH DETAIL A.





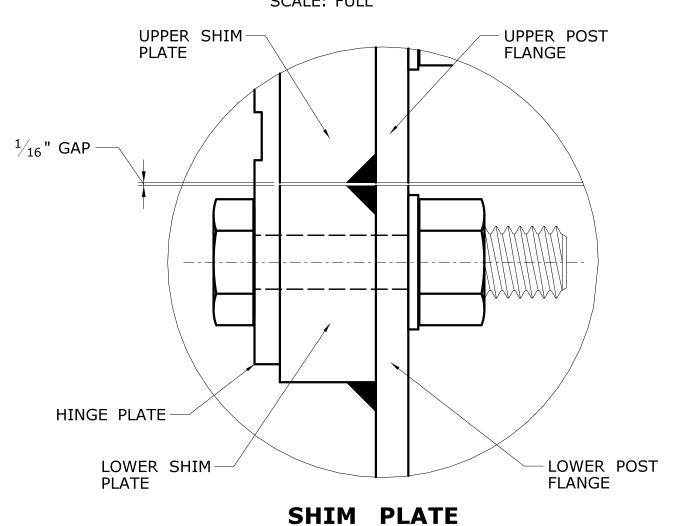


TABLE 2 - HINGE PLATE DATA												
POST PLATE DIMENSIONS (IN.) HOLE DIA. (IN.)												
SIZE	NO.	Н	J	K	L	М	N	Р	D4	D5		
W6 X 9	1	1	3/4	7/8	1/2	33/4	15/64	0.071 ± 0.004	17/32	NONE		
W6* AND W8	2	1 1/2	1	1 1/8	1/2	43/4	3/8	0.113 ± 0.004	25/ <sub>32</sub>	1/2		
ALL OTHERS	3	1 1/2	1	1 1/8	1/2	43/4	3/8	0.113 ± 0.004	25/ <sub>32</sub>	NONE		
* FXCLUDING	х 9				•							

ATTACHMENT DETAILS

\* EXCLUDING W6 X 9

#### **GENERAL NOTES**

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 (2004), SUPPLEMENTAL SPECIFICATION DATED JANUARY 2013, AND SPECIAL PROVISIONS. DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 17TH EDITION DATED 2002, AND AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS (2013) WITH THE LATEST INTERIM SPECIFICATIONS. DESIGN LOADS: THE DESIGN WIND SPEED IS 100 MPH, BASED ON A 10-YEAR MEAN

RECURRENCE INTERVAL.
MATERIALS:

FOUNDATIONS: CONCRETE FOR FOUNDATIONS SHALL BE CLASS "A" CONCRETE.

REINFORCEMENT: REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.

SIGN POSTS: STEEL FOR SIGN POSTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709, GRADE 36, AND SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. THE POST SHALL BE PERMANENTLY LABELED WITH THE POST SIZE ON THE WEB AT THE BOTTOM OF THE LOWER POST. ANCHORS: THREADED FERRULES SHALL BE FABRICATED FROM TYPE 304 STAINLESS STEEL. RODS SHALL BE FABRICATED FROM STEEL CONFORMING TO AISI 1038. STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AISI 1008. MINIMUM TENSILE STRENGTH OF 60,000 LBS.

SHIMS: 1" HORSESHOE SHIMS SHALL BE FABRICATED FROM 14 OR 18 GAUGE SHEET STEEL.

BREAKAWAY COUPLINGS: BREAKAWAY COUPLINGS SHALL BE MADE FROM ALLOY STEEL CONFORMING TO AMS 6378D WITH EXCEPTIONS TO DECARBURIZATION AND MACROSTRUCTURE CLAUSES OR AN EQUIVALENT MATERIAL, AND SHALL HAVE A MINIMUM TENSILE YIELD STRENGTH OF 130,000 PSI. THE COUPLING SHALL HAVE A MINIMUM TENSILE ULTIMATE STRENGTH OF 40,400 LBS. THE ROCKWELL HARDNESS SHALL BE C32 MINIMUM. COUPLINGS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153, CLEANED AND PHOSPHATED PER FEDERAL SPECIFICATION TT-C-490C, COATED, 0.002" - 0.004" THICK, USING MORTON POWDER COATINGS' 20-7037 BLACK POLYESTER POWDER OR EQUIVALENT.
CHIPPED AREAS OF THE COATED SURFACE SHALL BE REPAIRED. ALL THREADED SURFACES, AFTER COATING, SHALL BE CLEANED TO ALLOW THEM TO FUNCTION

BRACKETS: BRACKETS SHALL BE MADE FROM ALUMINUM ALLOY 6061-T6 OR AN EQUIVALENT MATERIAL. THE LOAD CONCENTRATING MEMBER (BOSS) SHALL BE MADE FROM STAINLESS STEEL CONFORMING TO ASTM A582, TYPE 416 WITH ROCKWELL HARDNESS OF C33 - C45. LOCATION HOLES FOR THE BREAKAWAY COUPLING SHALL BE ACCURATELY POSITIONED RELATIVE TO THE LOAD CONCENTRATING MEMBER AND BRACKETS SHALL BE PERMANENTLY LABELED WITH THE BRACKET NUMBER TO REFLECT THE HOLE POSITIONING. SEE DWG. NO. S-25 FOR IDENTIFICATION OF BRACKETS BY NUMBER.

HINGE PLATES: HINGE PLATES SHALL BE MADE FROM ALLOY STEEL CONFORMING TO AISI 4130 OR AN EQUIVALENT MATERIAL AND SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. THE HINGE PLATE SHALL HAVE A MINIMUM TENSILE YIELD STRENGTH OF 90,000 PSI AND MINIMUM TENSILE ULTIMATE

STRENGTH AS FOLLOWS: HI-1 7,100 LBS HI-2 11,300 LBS HI-3 17,000 LBS

BOLTS, NUTS AND WASHERS: UNLESS NOTED OTHERWISE, ALL BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325. SPECIAL BOLTS SHALL CONFORM TO ASTM A449. NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A563, GRADE DH. LOCKWASHERS SHALL CONFORM TO THE REQUIREMENTS OF ANSI B18-21-1. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A153. SPECIAL BOLTS MAY BE MECHANICALLY GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM B695, CLASS 50.

CAP SCREWS: CAP SCREWS ATTACHING BRACKETS TO POSTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307 AND SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153.

BREAKAWAY HARDWARE: BREAKAWAY HARDWARE SHALL BE SUPPLIED AS COMPONENTS OF A CRASH-TESTED SYSTEM COMPLYING WITH THE GUIDELINES OF NCHRP REPORT 350 (RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES). THE MANUFACTURER SHALL SUBMIT TEST REPORTS TO FHWA FOR APPROVAL.

CERTIFICATION: THE CONTRACTOR SHALL PROVIDE A MATERIALS CERTIFICATE TO CERTIFY THAT THE MATERIAL AND COMPONENTS CONFORM TO THOSE SHOWN ON THE PLANS AND SPECIFICATIONS.

CHANGES: NO CHANGE IN DESIGN MATERIALS OR DETAIL ALTERATIONS WILL BE PERMITTED WITHOUT PRIOR APPROVAL BY THE ENGINEER.

INSTALLATION: INSTALLATION OF THE BREAKAWAY ASSEMBLY SHALL BE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF THE SUPPLIER.

BASIS OF PAYMENT: THE COST OF FURNISHING AND INSTALLING THE BREAKAWAY HINGE PLATE ASSEMBLY WILL BE INCLUDED IN THE PAY ITEM "STRUCTURAL STEEL SIGN SUPPORTS." THE COST OF FURNISHING AND INSTALLING THE BREAKAWAY COUPLING SYSTEM, CONSISTING OF BRACKET, BREAKAWAY COUPLINGS, SPECIAL BOLTS, AND SHIMS WILL BE INCLUDED IN THE PAY ITEM "SIDE MOUNTED SIGN FOUNDATION." THE COST OF FURNISHING AND INSTALLING FOUNDATIONS, INCLUDING EXCAVATING, CLASS "A" CONCRETE, REINFORCING STEEL AND ANCHOR FERRULES, WILL BE INCLUDED IN THE PAY ITEM "SIDE MOUNTED SIGN FOUNDATION."

	TABLE 1	- HINGE	BOLTS
	HINGE A	SSEMBLY	TUDEAD DECICALATION
POST SIZE	BOLT DIAMETER	BOLT LENGTH	THREAD DESIGNATION (U.S. CUSTOMARY UNITS)
W6 x 9	1/2	1 1/2	13 UNC
ALL OTHERS	3/4	21/4	10 UNC

# THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

LOCK WASHER

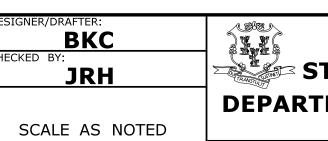
W8 X 18 ONLY

SIDE ELEVATION

REVISION DESCRIPTION

REV. DATE

(TYP.)



Н

W8 X 18 ONLY

FRONT ELEVATION

SIGN PANEL

SIGN PANEL

A325 BOLTS, NUTS AND

TABLE 1 - HINGE BOLTS)

LOCK WASHERS. (SEE

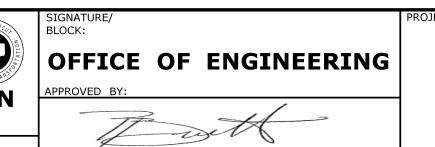
WITHOUT SHIM PLATE

SCALE:  $\frac{1}{2}$  (W8 X 18)

SHEET NO. Plotted Date: 7/8/2013

HINGE PLATE



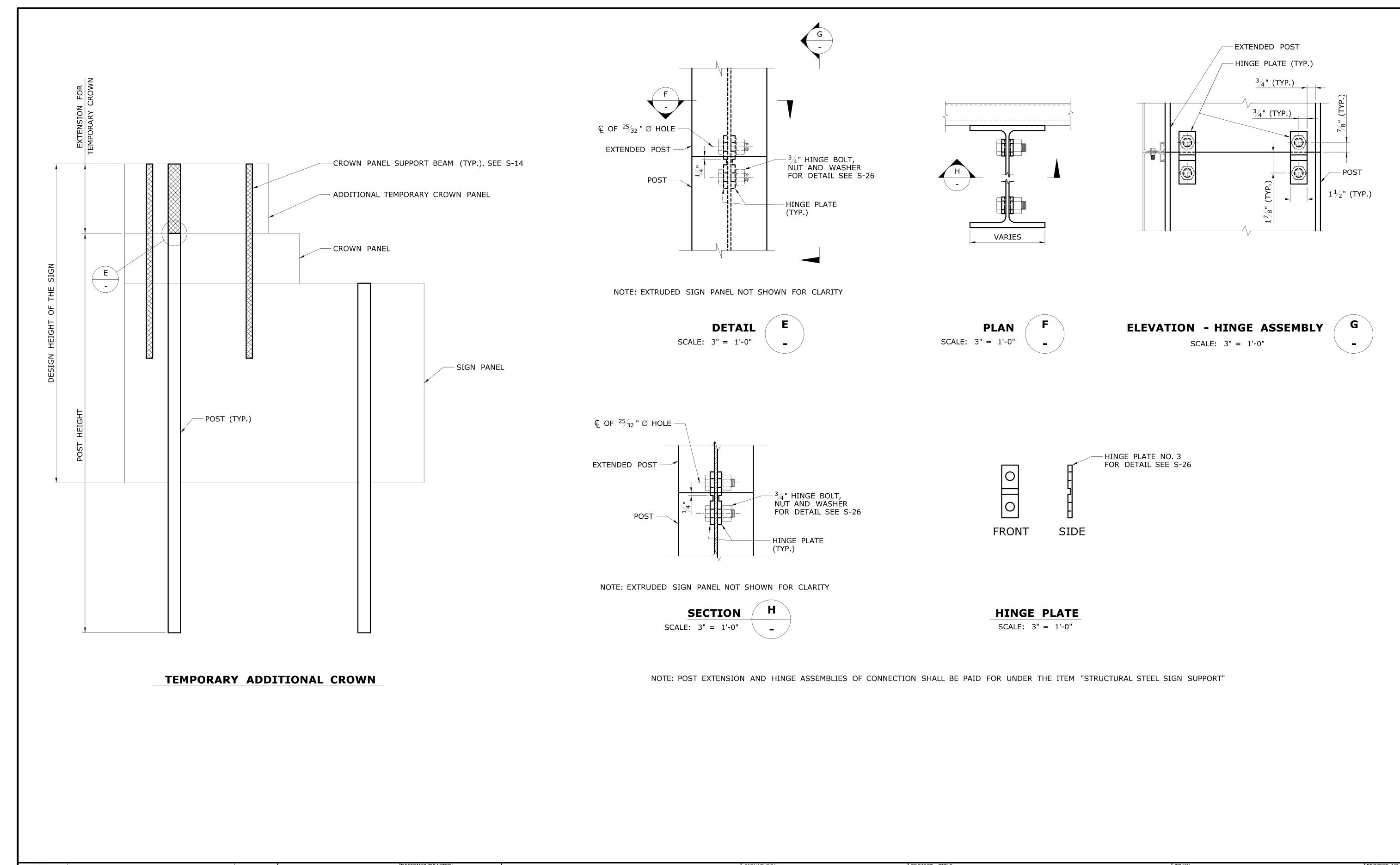


REPLACEMENT OF HIGHWAY SIGNING ON I-395

VARIOUS

DRAWING TITLE:
BREAKAWAY SIGN SUPPORTS
HINGE DETAILS

172-388
DRAWING NO.
S-26
SHEET NO.
04.26



			DESIGNER/DRAFTER:	CONNECTICAL	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
		THE INFORMATION, INCLUDING ESTIMATED OUANTITIES OF WORK SHOWN ON THESE	CHECKED BY:		BLOCK.	REPLACEMENT OF		172-388
		SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS	CHECKED BY.	STATE OF CONNECTICUT	OFFICE OF ENGINEERING		VARIOUS	DRAWING NO.
		IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES		OF TRA	APPROVED BY:	HIGHWAY SIGNING	DRAWING TITLE:	<b>─</b> S-27
		OF WORK WHICH WILL BE REQUIRED.		DEPARTMENT OF TRANSPORTATION		ON T 205	TEMPORARY ADDITIONA	SHEET NO.
			SCALE AS NOTED		THAT	ON I-395		04.27
REV. DATE	REVISION DESCRIPTION	SHEET NO. Plotted Date: 7/8/2013		Filename:\SB_Breakaway_Signpost_BSM7_Additional_Crown_Panel.dgn			CROWN DETAILS	